

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 20, 2004, 03:23:29 ; Search time 192 Seconds

(without alignments)
8373.982 Million cell updates/sec

Title: US-10-067-125-2

Perfect score: 2262

Sequence: 1 gaattccggcgctcgac.....attaaaccattacaattc 2262

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 682300

Minimum DB seq length: 0

Maximum DB seq length: 30

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 50 summaries

Database : Issued Patents NA.*

1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCITUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20.6	0.9	21	4	US-09-657-472-1764
2	20	0.9	20	3	US-09-167-109-47
3	20	0.9	20	3	US-09-167-109-48
4	20	0.9	20	3	US-09-167-109-49
5	20	0.9	20	3	US-09-167-109-50
6	20	0.9	20	3	US-09-167-109-51
7	20	0.9	20	3	US-09-167-109-52
8	20	0.9	20	3	US-09-167-109-53
9	20	0.9	20	3	US-09-167-109-54
10	20	0.9	20	3	US-09-167-109-55
11	20	0.9	20	3	US-09-167-109-56
12	20	0.9	20	3	US-09-167-109-57
13	20	0.9	20	3	US-09-167-109-58
14	20	0.9	20	3	US-09-167-109-59
15	20	0.9	20	3	US-09-167-109-60
16	20	0.9	20	3	US-09-167-109-61
17	20	0.9	20	3	US-09-167-109-62
18	20	0.9	20	3	US-09-167-109-63
19	20	0.9	20	3	US-09-167-109-64
20	20	0.9	20	3	US-09-167-109-65
21	20	0.9	20	3	US-09-167-109-66
22	20	0.9	20	3	US-09-167-109-67
23	20	0.9	20	3	US-09-167-109-68
24	20	0.9	20	3	US-08-959-381A-10
25	19	0.8	30	4	US-09-786-256C-18
26	17.6	0.8	24	4	US-09-480-718-19
27	17.6	0.8	24	4	US-09-480-718-20

c	28	17.6	0.8	24	4	US-09-933-313B-19	Sequence 19, Appl
	29	17.6	0.8	26	1	US-08-453-104-3	Sequence 3, Appli
	30	17.6	0.8	26	2	US-08-694-824-3	Sequence 3, Appli
	31	17.4	0.8	27	1	US-08-696-770-6	Sequence 6, Appli
	32	17.4	0.8	27	2	US-09-015-557-6	Sequence 6, Appli
	33	17.4	0.8	27	4	US-09-254-180C-71	Sequence 71, Appl
c	34	17.4	0.8	27	4	US-09-254-180C-116	Sequence 116, App
c	35	17.4	0.8	28	1	US-08-393-985-27	Sequence 27, Appl
c	36	17.4	0.8	30	1	US-08-435-350-25	Sequence 25, Appl
c	37	17.2	0.8	27	3	US-09-056-226-10	Sequence 10, Appl
c	38	17.2	0.8	30	2	US-08-442-809A-42	Sequence 42, Appl
c	39	17	0.8	26	4	US-09-330-245A-7	Sequence 7, Appli
c	40	17	0.8	27	2	US-08-447-430A-21	Sequence 21, Appl
c	41	17	0.8	27	2	US-08-447-430A-22	Sequence 22, Appl
c	42	17	0.8	27	3	US-08-513-974B-75	Sequence 75, Appl
c	43	17	0.8	27	4	US-09-342-673-21	Sequence 21, Appl
c	44	17	0.8	27	4	US-09-342-673-22	Sequence 22, Appl
	45	17	0.8	29	3	US-09-045-583-45	Sequence 45, Appl
	46	17	0.8	29	4	US-09-534-185-45	Sequence 45, Appl
c	47	17	0.8	30	2	US-08-790-963-36	Sequence 36, Appl
c	48	17	0.8	30	3	US-09-371-774-36	Sequence 36, Appl
c	49	16.8	0.7	20	3	US-09-167-109-69	Sequence 69, Appl
c	50	16.8	0.7	21	3	US-09-301-978C-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-657-472-1764
; Sequence 1764, Application US/09657472
; Patent No. 6727063
; GENERAL INFORMATION:
; APPLICANT: Lander, Eric S.
; APPLICANT: Cargill, Michele
; APPLICANT: Ireland, James S.
; APPLICANT: Bolk, Stacey
; APPLICANT: Daley, George Q.
; APPLICANT: McCarthy, Jeanette J.
; TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
; FILE REFERENCE: 2825.1027-001
; CURRENT APPLICATION NUMBER: US/09/657,472
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 60/153,357
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: US 60/220,947
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: US 60/225,724
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2551
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1764
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-657-472-1764

Query Match 0.9%; Score 20.6; DB 4; Length 21;
Best Local Similarity 95.2%; Pred. No. 3e+04;
Matches 20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 434 GCCGCTGCCGCTCATGCTGA 454
Db 1 GCCGCTGCCGCTCATGCTGA 21

RESULT 2
US-09-167-109-47/c
; Sequence 47, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.

; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-47

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAATTCGGCGCGCTCGGAC 20
DB 20 GAATTCGGCGCGCTCGGAC 1

RESULT 3
US-09-167-109-48/c
; Sequence 48, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 48
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-48

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGCGCTCGGACCGTTGG 26
DB 20 CGGCGCGCTCGGACCGTTGG 1

RESULT 4
US-09-167-109-49/c
; Sequence 49, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-49

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTACAGCTCTCATGGCTG 61
DB 20 GGTACAGCTCTCATGGCTG 1

RESULT 5
US-09-167-109-50/c
; Sequence 50, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 50
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-50

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71
DB 20 CTCATGGCTGCAGCTAGCGT 1

RESULT 6
US-09-167-109-51/c
; Sequence 51, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 51
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-51

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTCCAGGCGCAGTGGC 204
DB 20 CCTCCAGGCGCAGTGGC 1

```

; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-54

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 576 CGTGAAGGCGCACCCAGGAGG 595
Db 20 CGTGAAGGCGCACCCAGGAGG 1

RESULT 10
US-09-167-109-55/c
; Sequence 55 Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-55

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 675 GACTTGTGGCAAGTGTGCGAG 694
Db 20 GACTTGTGGCAAGTGTGCGAG 1

RESULT 11
US-09-167-109-56/c
; Sequence 56 Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-56

; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-52

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 348 GGAGGTGGAGAGCTGCCGG 367
Db 20 GGAGGTGGAGAGCTGCCGG 1

RESULT 8
US-09-167-109-53/c
; Sequence 53 Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-53

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTGCCACGAGCGCTGC 441
Db 20 GCTGCCACGAGCGCTGC 1

RESULT 9
US-09-167-109-54/c
; Sequence 54 Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
```

US-09-167-109-56

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGACGACGAGTGCAGTG 770
|||||
Db 20 CAGGACGACGAGTGCAGTG 1

RESULT 12

US-09-167-109-57/c
; Sequence 57, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-57

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTCCAGAGCTCTGCAGAGG 867
|||||
Db 20 GGTCCAGAGCTCTGCAGAGG 1

RESULT 13

US-09-167-109-58/c
; Sequence 58, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 58
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-58

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 962 GCAGCGGACGACCGGCTG 981
|||||
Db 20 GCAGCGGACGACCGGCTG 1

RESULT 14

US-09-167-109-59/c
; Sequence 59, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 59
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-59

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1240 CTGAACGGCGACGCCACCGG 1259
|||||
Db 20 CTGAACGGCGACGCCACCGG 1

RESULT 15

US-09-167-109-60/c
; Sequence 60, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-60

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1387 GACGCTTCAGGCCGACGT 1406
|||||
Db 20 GACGCTTCAGGCCGACGT 1

RESULT 16

US-09-167-109-61/c
; Sequence 61, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321

RESULT 21
US-09-167-109-66/c

```
; Sequence 66, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 66
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-66

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1994 GGCTCTCTGCTGCCAGAGC 2013
Db 20 GGCTCTCTGCTGCCAGAGC 1

RESULT 22
US-09-167-109-67/c
; Sequence 67, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 67
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-67

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2117 CTTGGCCAGCTGGCTGTGG 2136
Db 20 CTTGGCCAGCTGGCTGTGG 1

RESULT 23
US-09-167-109-68/c
; Sequence 68, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
```

```
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-68

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2221 TCCAGCTCAGGAGACAGAG 2240
Db 20 TCCAGCTCAGGAGACAGAG 1

RESULT 24
US-08-959-381A-10/c
; Sequence 10, Application US/08959381A
; Patent No. 6048711
; GENERAL INFORMATION:
; APPLICANT: HINUMA, SHUJI
; APPLICANT: FUKUSUMI, SHOJI
; APPLICANT: KAWAMATA, YUJI
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
; TITLE OF INVENTION: POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,381A
; FILING DATE: 28-OCT-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 286823/1996
; FILING DATE: 29-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: TAK-50003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-959-381A-10

Query Match          0.9%; Score 20; DB 3; Length 28;
Best Local Similarity 82.1%; Pred. No. 4.8e+04;
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 213 CTGCTCTTCTGCTGGCCAGCATCCTC 240
Db 28 CTGCTACTTCTGCTGGCCATCTCTTC 1
```

```
RESULT 25
US-09-786-256C-18/c
; Sequence 18, Application US/09786256C
; Patent No. 6680189
; GENERAL INFORMATION:
; APPLICANT: YOSHIMURA, Koji
; APPLICANT: HIKICHI, Yuichi
; APPLICANT: NISHIMURA, Atsushi
; TITLE OF INVENTION: No. 6680189el Protein and DNA Thereof
; FILE REFERENCE: 2544 USOP
; CURRENT APPLICATION NUMBER: US/09/786,256C
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: PCT/JP99/04766
; PRIOR FILING DATE: 1999-09-02
; PRIOR APPLICATION NUMBER: JP 10-250115
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 18
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Primer
US-09-786-256C-18

Query Match      0.8%; Score 19; DB 4; Length 30;
Best Local Similarity 81.5%; Pred. No. 8.8e+04;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 703 AGATTCACGCCATCGCTGGCTCGAG 729
DB 27 AGATTCCAAGTCAATGGCTTCCTCGAG 1

RESULT 26
US-09-480-718-19
; Sequence 19, Application US/09480718
; Patent No. 6407062
; GENERAL INFORMATION:
; APPLICANT: Sherr, Charles J
; APPLICANT: Queller, Dawn E
; APPLICANT: Weber, Jason D.
; APPLICANT: Rousset, Martine F.
; APPLICANT: Frederique, Zindy
; TITLE OF INVENTION: ARP-19, A NOVEL REGULATOR OF THE MAMMALIAN CELL CYCLE
; FILE REFERENCE: 1340-1-023 CIP 1
; CURRENT APPLICATION NUMBER: US/09/480,718
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: US/09/480,718
; PRIOR FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 19
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
US-09-480-718-20

Query Match      0.8%; Score 17.6; DB 4; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.8e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1978 GCTGCTCCAGGAGAGGGGCTCTCT 2001
DB 24 GCTGCTCCAGGAGGGGCTCTCT 1

RESULT 27
US-09-480-718-19
; Sequence 19, Application US/09480718
; Patent No. 6514737
; GENERAL INFORMATION:
; APPLICANT: Xu, Shuang-yong
; TITLE OF INVENTION: Method For Cloning And Expression Of AsiI Restriction
; FILE REFERENCE: NEB-189
; CURRENT APPLICATION NUMBER: US/09/933,313B
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: US/09/933,313B
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 19
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arthrobacter sp.
US-09-933-313B-19

Query Match      0.8%; Score 17.6; DB 4; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.8e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1028 AGAGGACGATTGGCTCAAGGACC 1051
DB 24 AGAGGCGCTCGGCTCAAGGACC 1

RESULT 28
US-09-933-313B-19/c
; Sequence 19, Application US/09933313B
; Patent No. 6514737
; GENERAL INFORMATION:
; APPLICANT: Xu, Shuang-yong
; TITLE OF INVENTION: Method For Cloning And Expression Of AsiI Restriction
; FILE REFERENCE: NEB-189
; CURRENT APPLICATION NUMBER: US/09/933,313B
; PRIOR FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: US/09/933,313B
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 19
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arthrobacter sp.
US-09-933-313B-19

Query Match      0.8%; Score 17.6; DB 4; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.8e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1028 AGAGGACGATTGGCTCAAGGACC 1051
DB 24 AGAGGCGCTCGGCTCAAGGACC 1

RESULT 29
US-08-453-104-3
; Sequence 3, Application US/08453104
; Patent No. 5633446
; GENERAL INFORMATION:
; APPLICANT: CORNELISSEN, Marc
; APPLICANT: SOETAERT, Piet
; APPLICANT: STAM, Maïke
; APPLICANT: DOCKX, Jan
; TITLE OF INVENTION: MODIFIED BACILLUS THURINGIENSIS
```

```
; TITLE OF INVENTION: INSECTICIDAL - CRYSTAL PROTEIN GENES AND THEIR EXPRESSION
; TITLE OF INVENTION: IN PLANT CELLS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: George Mason Bldg., Washington & Prince Sts.
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/06/453,104
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,869
; FILING DATE: 16-DEC-1992
; APPLICATION NUMBER: GB 90401055.0
; FILING DATE: 18-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Rea, Teresa S
; REGISTRATION NUMBER: 30,427
; REFERENCE/DOCKET NUMBER: 010830-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-453-104-3

Query Match 0.8%; Score 17.6; DB 1; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.9e+05;
Matches 16; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 1688 GTCGGCTCGCAGCAAGTTCAGTG 1711
|:|||||:|||||:|:|
Db 2 GUCGACCUGCAGCCAGCUGGUG 25

RESULT 30
US-08-694-824-3
; Sequence 3, Application US/08694824
; Patent No. 5877306
; GENERAL INFORMATION:
; APPLICANT: CORNELISSEN, Marc
; APPLICANT: SOETAERT, Piet
; APPLICANT: STAM, Maïke
; APPLICANT: DOCKX, Jan
; TITLE OF INVENTION: MODIFIED BACILLUS THURINGIENSIS
; TITLE OF INVENTION: INSECTICIDAL - CRYSTAL PROTEIN GENES AND THEIR EXPRESSION
; TITLE OF INVENTION: IN PLANT CELLS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: George Mason Bldg., Washington & Prince Sts.
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/694,824
; FILING DATE: 09-AUG-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,869
; FILING DATE: 16-DEC-1992
; APPLICATION NUMBER: GB 90401055.0
; FILING DATE: 18-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Rea, Teresa S
; REGISTRATION NUMBER: 30,427
; REFERENCE/DOCKET NUMBER: 010830-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-694-824-3

Query Match 0.8%; Score 17.6; DB 2; Length 26;
Best Local Similarity 66.7%; Pred. No. 1.9e+05;
Matches 16; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 1688 GTCGGCTCGCAGCAAGTTCAGTG 1711
|:|||||:|||||:|:|
Db 2 GUCGACCUGCAGCCAGCUGGUG 25

RESULT 31
US-08-696-770-6
; Sequence 6, Application US/08696770
; Patent No. 5763218
; GENERAL INFORMATION:
; APPLICANT: Fujii, RYO
; APPLICANT: Hinuma, Shuji
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/696,770
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: TAK50001-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-5090
```


TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
US-08-696-770-6

Query Match 0.8%; Score 17.4; DB 1; Length 27;
Best Local Similarity 77.8%; Pred. No. 2.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1522 ATCTTCATCAAGGCCATTGTGGACCTG 1548
DB 1 ATCTCAACATGGCCATCGGGAACCTG 27

RESULT 32
US-09-015-557-6
Sequence 6, Application US/09015557
Patent No. 5932702
GENERAL INFORMATION:
APPLICANT: Fujii, Ryo
APPLICANT: Hinuma, Shuji
APPLICANT: Li, Yi
APPLICANT: Ruben, Steven
APPLICANT: Soppet, Daniel
TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-2799
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/015,557
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/696,770
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: TAX50001-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:

US-09-015-557-6

Query Match 0.8%; Score 17.4; DB 2; Length 27;
Best Local Similarity 77.8%; Pred. No. 2.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1522 ATCTTCATCAAGGCCATTGTGGACCTG 1548
DB 1 ATCTCAACATGGCCATCGGGAACCTG 27

RESULT 33
US-09-254-180C-71
Sequence 71, Application US/09254180C
Patent No. 6777540
GENERAL INFORMATION:
APPLICANT: OKUMURA, Ko
APPLICANT: EDA, Yasuyuki
APPLICANT: MAEDA, Hiroaki
APPLICANT: USHIO, Yoshitaka
APPLICANT: HIGUCHI, Hirofumi
APPLICANT: NAKATA, Motomi
TITLE OF INVENTION: Humanized Immunoglobulins Specifically Reactive to Fas Ligand or
TITLE OF INVENTION: Fragments Thereof, and Apoptosis-Induced Site From Fas Ligand
FILE REFERENCE: 050006-0055
CURRENT APPLICATION NUMBER: US/09/254,180C
CURRENT FILING DATE: 1999-04-15
PRIOR APPLICATION NUMBER: PCT/JF97/02983
PRIOR FILING DATE: 1997-08-27
PRIOR APPLICATION NUMBER: 271546/1996
PRIOR FILING DATE: 1996-09-20
PRIOR APPLICATION NUMBER: 231472/1996
PRIOR FILING DATE: 1996-09-20
NUMBER OF SEQ ID NOS: 183
SOFTWARE: PatentIn version 3.1
SEQ ID NO 71
LENGTH: 27
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: DNA Primer
US-09-254-180C-71

Query Match 0.8%; Score 17.4; DB 4; Length 27;
Best Local Similarity 77.8%; Pred. No. 2.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1179 CATCTTCTCCCGCAGCCTTCTACACCAG 1205
DB 1 CATCATCTTCCCGCCATCATCACCCAG 27

RESULT 34
US-09-254-180C-116/C
Sequence 116, Application US/09254180C
Patent No. 6777540
GENERAL INFORMATION:
APPLICANT: OKUMURA, Ko
APPLICANT: EDA, Yasuyuki
APPLICANT: MAEDA, Hiroaki
APPLICANT: USHIO, Yoshitaka
APPLICANT: HIGUCHI, Hirofumi
APPLICANT: NAKATA, Motomi
TITLE OF INVENTION: Humanized Immunoglobulins Specifically Reactive to Fas Ligand or
TITLE OF INVENTION: Fragments Thereof, and Apoptosis-Induced Site From Fas Ligand
FILE REFERENCE: 050006-0055
CURRENT APPLICATION NUMBER: US/09/254,180C
CURRENT FILING DATE: 1999-04-15
PRIOR APPLICATION NUMBER: PCT/JF97/02983
PRIOR FILING DATE: 1997-08-27
PRIOR APPLICATION NUMBER: 271546/1996
PRIOR FILING DATE: 1996-09-20
PRIOR APPLICATION NUMBER: 231472/1996

```

; PRIOR FILING DATE: 1996-09-02
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 116
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA Primer
US-09-254-180C-116

Query Match          0.8%; Score 17.4; DB 4; Length 27;
Best Local Similarity 77.8%; Pred. No. 2.2e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1179 CATCTTCTCCCGAGCTTCTACACGAG 1205
DB 27 CATCACTTCCCGCCCATCATCACGAG 1

RESULT 35
US-08-393-985-27/c
; Sequence 27, Application US/08393985
; Patent No. 5693476
; GENERAL INFORMATION:
; APPLICANT: Scheller, Richard H.
; TITLE OF INVENTION: Methods and Compositions for Modulation
; TITLE OF INVENTION: of Vesicular Release
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,985
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 8600-0152
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: oligonucleotide used for mutant M4
US-08-393-985-27

Query Match          0.8%; Score 17.4; DB 1; Length 28;
Best Local Similarity 77.8%; Pred. No. 2.2e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1180 ATCTTCTCCCGAGCTTCTACACGAG 1206
DB 27 ATCACTTCCCGCGTCTCTCCGCGAG 1

```

```

RESULT 36
US-08-435-350-25
; Sequence 25, Application US/08435350
; Patent No. 559704
; GENERAL INFORMATION:
; APPLICANT: James D. Thompson
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: TREATMENT OF BREAST CANCER
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,350
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936,531
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 197/245
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-435-350-25

Query Match          0.8%; Score 17.4; DB 1; Length 30;
Best Local Similarity 59.3%; Pred. No. 2.2e+05;
Matches 16; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 1458 CTGCCCCCTTCTTCTGCCCCGCTCTCCAA 1484
DB 2 CUGCACCUCGUGUGCCCCCUGGACAA 28

RESULT 37
US-09-056-226-10/c
; Sequence 10, Application US/09056226B
; Patent No. 6177614
; GENERAL INFORMATION:
; APPLICANT: Colasanti, Joseph J.
; APPLICANT: Sundaresan, Venkatesan
; TITLE OF INVENTION: Control of Floral Induction in Plants
; TITLE OF INVENTION: and Uses Therefor
; FILE REFERENCE: CSHL94-04A4
; CURRENT APPLICATION NUMBER: US/09/056,226B
; CURRENT FILING DATE: 1998-04-07
; EARLIER APPLICATION NUMBER: US 09/000,640
; EARLIER FILING DATE: 1997-12-30
; EARLIER APPLICATION NUMBER: US 08/804,104
; EARLIER FILING DATE: 1997-02-20
; EARLIER APPLICATION NUMBER: PCT/US96/03466
; EARLIER FILING DATE: 1996-03-15

```

US-08-442-809A-42

Query Match 0.8%; Score 17.2; DB 2; Length 30;
Best Local Similarity 73.3%; Pred. No. 2.5e+05;
Matches 22; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 847 GGGTCAGAGCTCCCTGCGAGAGTGGGAGGC 876
DB 30 GAGTCACACCTGCTGCGAGTGGCTCGAGCGC 1

RESULT 39

US-09-330-245A-7/c
; Sequence 7, Application US/09330245A
; Patent No. 6432631
; GENERAL INFORMATION:
; APPLICANT: GILEAD SCIENCES, INC. et al.
; TITLE OF INVENTION: NOVEL GENE ENCODING ORGANIC ANION TRANSPORTER
; FILE REFERENCE: 240.1PCNew
; CURRENT APPLICATION NUMBER: US/09/330,245A
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: 60/088,864
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/132,267
; PRIOR FILING DATE: 1999-05-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: This information
; OTHER INFORMATION: is not available.

US-09-330-245A-7

Query Match 0.8%; Score 17; DB 4; Length 26;
Best Local Similarity 80.0%; Pred. No. 2.6e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 939 GGTGGCCATGACTGCGAGGCGCTGC 963
DB 25 GGTGAGCATGACTGCGAGGCTCTAC 1

RESULT 40

US-08-447-430A-21
; Sequence 21, Application US/08447430A
; Patent No. 5916558
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Recombinant polypeptides and peptides,
; TITLE OF INVENTION: nucleic acids coding for the same and use of these
; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of
; TITLE OF INVENTION: tuberculosis.
; NUMBER OF SEQUENCES: 43
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,430A
; FILING DATE:
; CLASSIFICATION: 424
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO

US-08-442-809A-42/c

Query Match 0.8%; Score 17.2; DB 3; Length 27;
Best Local Similarity 82.6%; Pred. No. 2.4e+05;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 871 GAGAGCTCGAGAGAGAGCGGC 893
DB 23 GAGANCTCGAGAGAGGATGCC 1

RESULT 38

US-08-442-809A-42/c
; Sequence 42, Application US/08442809A
; Patent No. 5976873
; GENERAL INFORMATION:
; APPLICANT: Bohinski, Robert J.,
; APPLICANT: Whitsett, Jeffrey A.
; TITLE OF INVENTION: Nucleic Acid Sequences
; TITLE OF INVENTION: Controlling Lung Cell -
; TITLE OF INVENTION: Specific Gene Expression
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,
; ADDRESSEE: Cecchi, Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,809A
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/245,356
; FILING DATE: 18-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Olstein, Elliot M.
; REGISTRATION NUMBER: 24,025
; REFERENCE/DOCKET NUMBER: 271010-360
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide

```
; ANTI-SENSE: NO
US-08-447-430A-21
Query Match 0.8%; Score 17; DB 2; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1041 CCTCAAGGACCTGGCGATGCTGAC 1065
DB 1 CCTGATCGCGCTGGCGATGGGTGAC 25

RESULT 41
US-08-447-430A-22/c
; Sequence 22, Application US/08447430A
; Patent No. 5916558
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Recombinant polypeptides and peptides,
; TITLE OF INVENTION: nucleic acids coding for the same and use of these
; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of
; TITLE OF INVENTION: tuberculosis.
; NUMBER OF SEQUENCES: 43
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,430A
; FILING DATE:
; CLASSIFICATION: 424
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-447-430A-22

Query Match 0.8%; Score 17; DB 2; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1041 CCTCAAGGACCTGGCGATGCTGAC 1065
DB 27 CCTGATCGCGCTGGCGATGGGTGAC 3

RESULT 42
US-08-513-974B-75
; Sequence 75, Application US/08513974B
; Patent No. 6114139
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Ohtaki, Tetsuya
; APPLICANT: Fukusumi, Shoji
; APPLICANT: Ohgi, Kazuhiko
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP95/01599
; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1945
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189272
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-513-974B-75

Query Match 0.8%; Score 17; DB 3; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 542 GCCGGCATTGCCGGGCACCCCTGCTG 566
DB 1 GCTGGCAGTGGCGGCGCACCTGCTG 25

RESULT 43
US-09-342-673-21
; Sequence 21, Application US/09342673
; Patent No. 6531138
; GENERAL INFORMATION:
; APPLICANT:
```

;; TITLE OF INVENTION: Recombinant polypeptides and peptides,
;; TITLE OF INVENTION: nucleic acids coding for the same and use of these
;; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of
;; TITLE OF INVENTION: tuberculosis.
;; NUMBER OF SEQUENCES: 43
;; COMPUTER READABLE FORM: disk
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/342,673
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; PRIOR APPLICATION NUMBER: 08/447,430
;; FILING DATE:
;; INFORMATION FOR SEQ ID NO: 21:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 27 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
US-09-342-673-21

Query Match 0.8%; Score 17; DB 4; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1041 CCTCAGGACCTGGCGATGGCTGAC 1065
DB 1 CCTGATCGGCTGGCGATGGCTGAC 25

RESULT 44
US-09-342-673-22/c
; Sequence 22, Application US/09342673
; Patent No. 6531138
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Recombinant polypeptides and peptides,
; TITLE OF INVENTION: nucleic acids coding for the same and use of these
; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of
; TITLE OF INVENTION: tuberculosis.
; NUMBER OF SEQUENCES: 43
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/342,673
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/447,430
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-342-673-22

Query Match 0.8%; Score 17; DB 4; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;

Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1041 CCTCAGGACCTGGCGATGGCTGAC 1065
DB 27 CCTGATCGGCTGGCGATGGGTGAC 3
RESULT 45
US-09-045-583-45
; Sequence 45, Application US/09045583
; Patent No. 6287805
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6287805el Molecules of the G Protein-Coupled
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/045,583
; FILING DATE: 20-MAR-98
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragoukas, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-044
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)742-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-045-583-45

Query Match 0.8%; Score 17; DB 3; Length 29;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1040 GCCTCAGGACCTGGCGATGGCTGA 1064
DB 3 GCCTCAGGTACCTGGCGATGCTTCA 27

RESULT 46
US-09-534-185-45
; Sequence 45, Application US/09534185
; Patent No. 6403767
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6403767el Molecules of the G Protein-Coupled
; Heptahelical Receptor Superfamily and Uses
; Therefor
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston


```
RESULT 49
US-09-167-109-69/c
; Sequence 69, Application US/09167109
; Patent No. 6392297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 69
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: control sequence
US-09-167-109-69

Query Match          0.7%; Score 16.8; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.7e+05;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 576 CGTGAAGCGGCACACGAGG 595
DB 20 CGTGAAGCGGCACACGAGG 1

RESULT 50
US-09-301-978C-7/c
; Sequence 7, Application US/09301978C
; Patent No. 6392015
; GENERAL INFORMATION:
; APPLICANT: Pangariban, Antonito
; APPLICANT: Callahan, Mark A.
; TITLE OF INVENTION: Method of Identifying Modulators of HIV-1 VPU and GAG
; TITLE OF INVENTION: Interaction with U Binding Protein (UBP)
; FILE REFERENCE: 960296.95335
; CURRENT APPLICATION NUMBER: US/09/301,978C
; CURRENT FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,567
; PRIOR FILING DATE: 1998-04-30
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide
US-09-301-978C-7

Query Match          0.7%; Score 16.8; DB 3; Length 21;
Best Local Similarity 90.0%; Pred. No. 2.7e+05;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2030 CTGGTTCTCCCTCTGGCC 2049
DB 20 CTGGTTCTCTCATCTGGCC 1

Search completed: November 20, 2004, 09:22:31
Job time : 193 secs
```

This Page Blank (uspto)

GenCore version 5.1.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 20, 2004, 04:29:03 ; Search time 1125 Seconds
(without alignments)
10864.885 Million cell updates/sec

Title: US-10-067-125-2
Perfect score: 2262
Sequence: 1 gaattccggcgctgcagc.....attaaaccattacaattctc 2262

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3627888 seqs, 2701811610 residues

Total number of hits satisfying chosen parameters: 1535986

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 50 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 20: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 21: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Length	ID	Description
C 1	24	1.1	24	16	US-10-409-107A-16
C 2	22.6	1.0	30	17	US-10-694-520-7
C 3	22	1.0	22	16	US-10-409-107A-15
C 4	20	0.9	20	14	US-10-067-125-47
C 5	20	0.9	20	14	US-10-067-125-48
C 6	20	0.9	20	14	US-10-067-125-49
C 7	20	0.9	20	14	US-10-067-125-50
C 8	20	0.9	20	14	US-10-067-125-51
C 9	20	0.9	20	14	US-10-067-125-52
C 10	20	0.9	20	14	US-10-067-125-53
C 11	20	0.9	20	14	US-10-067-125-54
C 12	20	0.9	20	14	US-10-067-125-55

C 13	20	0.9	20	14	US-10-067-125-56
C 14	20	0.9	20	14	US-10-067-125-57
C 15	20	0.9	20	14	US-10-067-125-58
C 16	20	0.9	20	14	US-10-067-125-59
C 17	20	0.9	20	14	US-10-067-125-60
C 18	20	0.9	20	14	US-10-067-125-61
C 19	20	0.9	20	14	US-10-067-125-62
C 20	20	0.9	20	14	US-10-067-125-63
C 21	20	0.9	20	14	US-10-067-125-64
C 22	20	0.9	20	14	US-10-067-125-65
C 23	20	0.9	20	14	US-10-067-125-66
C 24	20	0.9	20	14	US-10-067-125-67
C 25	20	0.9	20	14	US-10-067-125-68
C 26	19	0.8	19	17	US-10-726-148A-18
C 27	18.6	0.8	18.6	20	US-09-950-335A-4
C 28	18.6	0.8	18.6	30	US-10-380-584-67
C 29	18.4	0.8	18.4	25	US-10-098-263B-67634
C 30	18.4	0.8	18.4	30	US-10-081-281-18
C 31	18.4	0.8	18.4	25	US-10-098-263B-42324
C 32	17.8	0.8	17.8	29	US-09-879-813-7
C 33	17.8	0.8	17.8	29	US-09-828-717-7
C 34	17.8	0.8	17.8	29	US-10-146-505-7
C 35	17.8	0.8	17.8	30	US-10-157-382-4
C 36	17.6	0.8	17.6	25	US-10-098-263B-48292
C 37	17.6	0.8	17.6	25	US-10-098-263B-130463
C 38	17.6	0.8	17.6	25	US-10-098-263B-130464
C 39	17.4	0.8	17.4	29	US-10-262-839-342
C 40	17.4	0.8	17.4	30	US-10-081-281-22
C 41	17.4	0.8	17.4	30	US-10-343-810-12
C 42	17.2	0.8	17.2	23	US-10-244-647-1317
C 43	17.2	0.8	17.2	25	US-10-098-263B-80858
C 44	17.2	0.8	17.2	25	US-10-717-597-2427
C 45	17.2	0.8	17.2	30	US-09-320-337-42
C 46	17	0.8	17	25	US-10-215-113-4521
C 47	17	0.8	17	25	US-10-098-263B-82392
C 48	17	0.8	17	25	US-10-098-263B-32545
C 49	17	0.8	17	25	US-10-098-263B-50938
C 50	17	0.8	17	25	US-10-098-263B-54431

ALIGNMENTS

RESULT 1
US-10-409-107A-16/c
; Sequence 16, Application US/10409107A
; Publication No. US20040053288A1
; GENERAL INFORMATION:
; APPLICANT: YANAI, Yoshiaki
; APPLICANT: YAMAMOTO, Shigeto
; APPLICANT: YAMAMOTO, Kozo
; APPLICANT: IKEGAMI, Hakuo
; TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
; TITLE OF INVENTION: factor
; FILE REFERENCE: YANAI=3
; CURRENT APPLICATION NUMBER: US/10/409,107A
; CURRENT FILING DATE: 2003-04-19
; PRIOR APPLICATION NUMBER: JP 107126/2002
; PRIOR FILING DATE: 2002-04-09
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Oligonucleotide used as primer for PCR detection of TRAF2 mRNA
US-10-409-107A-16

Query Match 1.1%; Score 24; DB 16; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 56, Appl
Sequence 57, Appl
Sequence 58, Appl
Sequence 59, Appl
Sequence 60, Appl
Sequence 61, Appl
Sequence 62, Appl
Sequence 63, Appl
Sequence 64, Appl
Sequence 65, Appl
Sequence 66, Appl
Sequence 67, Appl
Sequence 68, Appl
Sequence 18, Appl
Sequence 4, Appl
Sequence 67, Appl
Sequence 67634, A
Sequence 18, Appl
Sequence 42324, A
Sequence 7, Appl
Sequence 7, Appl
Sequence 4, Appl
Sequence 48292, A
Sequence 130463,
Sequence 130464,
Sequence 342, App
Sequence 12, Appl
Sequence 1317, Ap
Sequence 80858, A
Sequence 2427, Ap
Sequence 42, Appl
Sequence 4521, Ap
Sequence 8292, Ap
Sequence 32545, A
Sequence 50938, A
Sequence 54431, A

QY 1223 TGTGCTGGTATCTACTGGAACG 1246
 |||||
 Db 24 TGTGCTGGTATCTACTGGAACG 1

RESULT 2
 US-10-694-520-7
 ; Sequence 7, Application US/10694520
 ; Publication No. US20040170614A1
 ; GENERAL INFORMATION:
 ; APPLICANT: University of Iowa Research Foundation
 ; APPLICANT: Bishop, G.
 ; APPLICANT: Hostager, B. S.
 ; TITLE OF INVENTION: Somatic cell gene targeting vectors and methods of use thereof
 ; FILE REFERENCE: 875.061US1
 ; CURRENT APPLICATION NUMBER: US/10/694,520
 ; CURRENT FILING DATE: 2003-10-27
 ; PRIOR APPLICATION NUMBER: US 60/422,674
 ; PRIOR FILING DATE: 2002-10-30
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 7
 ; LENGTH: 30
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: A synthetic primer.
 US-10-694-520-7

Query Match 1.0%; Score 22.6; DB 17; Length 30;
 Best Local Similarity 86.2%; Pred. No. 3e+04; Indels 0; Gaps 0;
 Matches 25; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 244 TCTGGGCTCAGAACTGTGCTGCTGTGT 272
 |||||
 Db 1 TTTGGTACCCAGAACTGTGCTGCTGTGT 29

RESULT 3
 US-10-409-107A-15
 ; Sequence 15, Application US/10409107A
 ; Publication No. US20040053288A1
 ; GENERAL INFORMATION:
 ; APPLICANT: YANAI Yoshiaki
 ; APPLICANT: YAMAMOTO, Shigeto
 ; APPLICANT: YAMAMOTO, Kozi
 ; APPLICANT: IREGAMI, Hakuo
 ; TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
 ; TITLE OF INVENTION: factor
 ; FILE REFERENCE: YANAI=3
 ; CURRENT APPLICATION NUMBER: US/10/409,107A
 ; CURRENT FILING DATE: 2003-04-19
 ; PRIOR APPLICATION NUMBER: JP 107126/2002
 ; PRIOR FILING DATE: 2002-04-09
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 15
 ; LENGTH: 22
 ; TYPE: DNA
 ; ORGANISM: Artificial
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide used as primer for PCR detection of TRAF2 mRNA
 US-10-409-107A-15

Query Match 1.0%; Score 22; DB 16; Length 22;
 Best Local Similarity 100.0%; Pred. No. 4.2e+04; Indels 0; Gaps 0;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 904 AACATTGCTCGGTCCTGAACC 925
 |||||
 Db 1 AACATTGCTCGGTCCTGAACC 22

RESULT 4
 US-10-067-125-47/c
 ; Sequence 47, Application US/10067125
 ; Publication No. US20030055015A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Brenda F.
 ; APPLICANT: Cowsert, Lex M.
 ; APPLICANT: Monia, Brett P.
 ; APPLICANT: Xu, Xiaoxing S.
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
 ; FILE REFERENCE: ISPH-0321
 ; CURRENT APPLICATION NUMBER: US/10/067,125
 ; CURRENT FILING DATE: 2002-02-04
 ; PRIOR APPLICATION NUMBER: 09/167,109
 ; PRIOR FILING DATE: 1998-10-06
 ; NUMBER OF SEQ ID NOS: 228
 ; SEQ ID NO 47
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: antisense sequence
 US-10-067-125-47

Query Match 0.9%; Score 20; DB 14; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.5e+05; Indels 0; Gaps 0;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAATTCGGCGCGCTGCGAC 20
 |||||
 Db 20 GAATTCGGCGCGCTGCGAC 1

RESULT 5
 US-10-067-125-48/c
 ; Sequence 48, Application US/10067125
 ; Publication No. US20030055015A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Brenda F.
 ; APPLICANT: Cowsert, Lex M.
 ; APPLICANT: Monia, Brett P.
 ; APPLICANT: Xu, Xiaoxing S.
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
 ; FILE REFERENCE: ISPH-0321
 ; CURRENT APPLICATION NUMBER: US/10/067,125
 ; CURRENT FILING DATE: 2002-02-04
 ; PRIOR APPLICATION NUMBER: 09/167,109
 ; PRIOR FILING DATE: 1998-10-06
 ; NUMBER OF SEQ ID NOS: 228
 ; SEQ ID NO 48
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: antisense sequence
 US-10-067-125-48

Query Match 0.9%; Score 20; DB 14; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.5e+05; Indels 0; Gaps 0;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGCGCTGCGACCGTTGG 26
 |||||
 Db 20 CGGCGCGCTGCGACCGTTGG 1

RESULT 6
 US-10-067-125-49/c
 ; Sequence 49, Application US/10067125
 ; Publication No. US20030055015A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Brenda F.
 ; APPLICANT: Cowsert, Lex M.

; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-49

Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTACAGCTTCATGGCTG 61
|||||
DB 20 GGTACAGCTTCATGGCTG 1

RESULT 7
US-10-067-125-50/c
; Sequence 50, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 50
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-50

Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71
|||||
DB 20 CTCATGGCTGCAGCTAGCGT 1

RESULT 8
US-10-067-125-51/c
; Sequence 51, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109

; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 51
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-51

Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTTCCAGGCGCAGTGTGGC 204
|||||
DB 20 CCTTCCAGGCGCAGTGTGGC 1

RESULT 9
US-10-067-125-52/c
; Sequence 52, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-52

Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 348 GGAGGTGCGAGCGCTGCCGG 367
|||||
DB 20 GGAGGTGCGAGCGCTGCCGG 1

RESULT 10
US-10-067-125-53/c
; Sequence 53, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```
; OTHER INFORMATION: antisense sequence
US-10-067-125-53

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTGCCACGAAGCCGCTGC 441
DB 20 GCTGCCACGAAGCCGCTGC 1

RESULT 11
US-10-067-125-54/c
; Sequence 54, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-54

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 576 CGTGAAGGCGCACACGAGG 595
DB 20 CGTGAAGGCGCACACGAGG 1

RESULT 12
US-10-067-125-55/c
; Sequence 55, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-55

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTGAGAGCTCTCGCAGAGG 867
DB 20 GGTGAGAGCTCTCGCAGAGG 1

RESULT 13
US-10-067-125-56/c
; Sequence 56, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-56

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGAGCAGGAGGTGCAGTG 770
DB 20 CAGGAGCAGGAGGTGCAGTG 1

RESULT 14
US-10-067-125-57/c
; Sequence 57, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-57

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTGAGAGCTCTCGCAGAGG 867
DB 20 GGTGAGAGCTCTCGCAGAGG 1

RESULT 15
US-10-067-125-58/c
```

```
; Sequence 58, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 58
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-58
```

```
Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 962 GCAGCGCGGACGACCGGCTG 981
DB 20 GCAGCGCGGACGACCGGCTG 1
```

RESULT 16

```
; Sequence 59, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 59
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-59
```

```
Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1240 CTGACGCGGACGCGGACCGG 1259
DB 20 CTGACGCGGACGCGGACCGG 1
```

RESULT 17

```
; Sequence 60, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
```

```
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-60
```

```
Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1387 GACGCTTCAGGCCGCGGCTG 1406
DB 20 GACGCTTCAGGCCGCGGCTG 1
```

RESULT 18

```
; Sequence 61, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-61
```

```
Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1533 GGCATTGTGACCTGACAG 1552
DB 20 GGCATTGTGACCTGACAG 1
```

RESULT 19

```
; Sequence 62, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
```

```
; SEQ ID NO 62
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-62

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1590 GGCAGCCAGGCACAGCCGGC 1609
Db 20 GGCAGCCAGGCACAGCCGGC 1

RESULT 20
US-10-067-125-63/c
; Sequence 63, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 63
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-63

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1685 GGTGTCGGCTGCAGCCAG 1704
Db 20 GGTGTCGGCTGCAGCCAG 1

RESULT 21
US-10-067-125-64/c
; Sequence 64, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 64
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-64
```

```
Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1789 GGCTGTGTCGTCATGGCCG 1808
Db 20 GGCTGTGTCGTCATGGCCG 1

RESULT 22
US-10-067-125-65/c
; Sequence 65, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 65
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-65

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1916 CCATGTAGCAGGACACAGT 1935
Db 20 CCAITGTAGCAGGACACAGT 1

RESULT 23
US-10-067-125-66/c
; Sequence 66, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 66
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-66

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1994 GGCTCTCTGTCGTCAGCAGC 2013
Db 20 GGCTCTCTGTCGTCAGCAGC 2013
```

Db 20 GGCTCTCTGCTGCCAGAGC 1

RESULT 24

US-10-067-125-67/c
; Sequence 67, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 67
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-67

Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e-05; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2117 CTGGCCAGGCTGGCTGTGG 2136
|||
Db 20 CTGGCCAGGCTGGCTGTGG 1

RESULT 25

US-10-067-125-68/c
; Sequence 68, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-68

Query Match 0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e-05; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2221 TCCAGTCTCAGAACAGAGC 2240
|||
Db 20 TCCAGTCTCAGAACAGAGC 1

RESULT 26

US-10-726-148A-18/c
; Sequence 18, Application US/10726148A
; Publication No. US20040132157A1

; GENERAL INFORMATION:
; APPLICANT: YOSHIMURA, Koji
; APPLICANT: HIKICHI, Yuichi
; APPLICANT: NISHIMURA, Atsushi
; TITLE OF INVENTION: Novel Protein and DNA Thereof
; FILE REFERENCE: PF613TD1
; CURRENT APPLICATION NUMBER: US/10/726,148A
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 09/786,256
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: PCT/JF99/04766
; PRIOR FILING DATE: 1999-09-02
; PRIOR APPLICATION NUMBER: JP 10-250115
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Primer
US-10-726-148A-18

Query Match 0.8%; Score 19; DB 17; Length 30;
Best Local Similarity 81.5%; Pred. No. 3.2e+05; Mismatches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 703 AGATTCCACGCCATCGCTGCTCGAG 729
|||
Db 27 AGATTCCAAAGTCAATGGCTTCTCGAG 1

RESULT 27

US-09-950-335A-4/c
; Sequence 4, Application US/09950335A
; Publication No. US2002019330A1
; GENERAL INFORMATION:
; APPLICANT: HONE, DAVID M.
; TITLE OF INVENTION: GENETICALLY ENGINEERED CO-EXPRESSION DNA VACCINES, CONSTRUCTION M
; FILE REFERENCE: 4115-128
; CURRENT APPLICATION NUMBER: US/09/950,335A
; CURRENT FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-950-335A-4

Query Match 0.8%; Score 18.6; DB 9; Length 29;
Best Local Similarity 84.0%; Pred. No. 4.1e+05; Mismatches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1440 CATGAACATCGCAAGCGGCTGCCCC 1464
|||
Db 25 CAAGATCATCGTAAGCGGCGGCCCC 1

RESULT 28

US-10-380-584-67
; Sequence 67, Application US/10380584
; Publication No. US20040014089A1
; GENERAL INFORMATION:
; APPLICANT: Utermohlen, Joseph
; APPLICANT: Connaughton, John
; TITLE OF INVENTION: Oligonucleotide Sequence Formula for Labeling Oligonucleotide Pro
; FILE OF INVENTION: Proteins for In Situ Analysis
; FILE REFERENCE: 355/001/PCT

```
; CURRENT APPLICATION NUMBER: US/10/380,584
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 60/233,177
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 67
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-380-584-67

Query Match          0.8%; Score 18.6; DB 16; Length 30;
Best Local Similarity 84.0%; Pred. No. 4.1e+05;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1836 GCTGCCCTTCTCTCTCTCTCTGTCGCTG 1860
Db 6 GCTGCTCTTCTCTCTCTCTCTCTG 30

RESULT 29
US-10-098-263B-67634
; Sequence 67634, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 67634
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-67634

Query Match          0.8%; Score 18.4; DB 15; Length 25;
Best Local Similarity 95.0%; Pred. No. 4.5e+05;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 ACAGCAGGACGACGAGGTGC 766
Db 5 ACAGCAGGACGACGCGGTGC 24

RESULT 30
US-10-081-281-18
; Sequence 18, Application US/10081281
; Publication No. US20020151707A1
; GENERAL INFORMATION:
; APPLICANT: Kindsvogel, Wayne
; Gross, Jane A.
; Sheppard, Paul
; TITLE OF INVENTION: Immune Mediators and Related Methods
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/081,281
; FILING DATE: 20-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/261,811A
; FILING DATE: 03-Mar-1999
; APPLICATION NUMBER: US 08/480,002
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/482,133
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/483,241
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 60/005,964
; FILING DATE: 27-OCT-1995
; APPLICATION NUMBER: US 08/657,581
; FILING DATE: 07-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 014058-005630US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-10-081-281-18

Query Match          0.8%; Score 18.4; DB 13; Length 30;
Best Local Similarity 78.6%; Pred. No. 4.7e+05;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 328 CCAGATAATGCTGCCCGCAGGAGGTGG 355
Db 2 CCACCTGATCCACCCCGCAGGAGGTGG 29

RESULT 31
US-10-098-263B-42324/c
; Sequence 42324, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 42324
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-42324

Query Match          0.8%; Score 18.2; DB 15; Length 25;
Best Local Similarity 87.0%; Pred. No. 5.2e+05;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1638 GGTCTCACTGTACAAAGTGGCAG 1660
Db 24 GGTCTCACTGTAGAAGTCGGGAG 2
```



```
RESULT 32
US-09-879-813-7
; Sequence 7, Application US/09879813
; Patent No. US20020155453A1
; GENERAL INFORMATION:
; APPLICANT: Sale, Julian E.
; APPLICANT: Neuberger, Michael S.
; APPLICANT: Cumbers, Sarah J.
; TITLE OF INVENTION: Method of Generating Diversity
; FILE REFERENCE: 18396/2005
; CURRENT APPLICATION NUMBER: US/09/879,813
; CURRENT FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 09/828,717
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: PCT/GB99/03358
; PRIOR FILING DATE: 1999-10-08
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: primer
; LOCATION: (1)..(29)
; OTHER INFORMATION: oligonucleotide primer
US-09-879-813-7

Query Match          0.8%; Score 17.8; DB 9; Length 29;
Best Local Similarity 75.9%; Pred. No. 6.9e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGCGAGTGGG 29

RESULT 33
US-09-828-717-7
; Sequence 7, Application US/09828717
; Publication No. US20030087236A1
; GENERAL INFORMATION:
; APPLICANT: MRC Laboratory of Molecular Biology
; TITLE OF INVENTION: Method for Generating Diversity
; FILE REFERENCE: 18396/2002
; CURRENT APPLICATION NUMBER: US/09/828,717
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: PCT/GB99/03358
; PRIOR FILING DATE: 1998-10-09
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(29)
; OTHER INFORMATION: Synthetic primer
US-09-828-717-7

Query Match          0.8%; Score 17.8; DB 10; Length 29;
Best Local Similarity 75.9%; Pred. No. 6.9e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGCGAGTGGG 29

RESULT 34
US-10-146-505-7

Query Match          0.8%; Score 17.8; DB 14; Length 30;
Best Local Similarity 75.9%; Pred. No. 7e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGCGAGTGGG 29

; Sequence 7, Application US/10146505
; Publication No. US2003010889A1
; GENERAL INFORMATION:
; APPLICANT: Sale, Julian E.
; APPLICANT: Neuberger, Michael S.
; APPLICANT: Cumbers, Sarah J.
; TITLE OF INVENTION: Method of Generating Diversity
; FILE REFERENCE: 18396/2005B
; CURRENT APPLICATION NUMBER: US/10/146,505
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/828,717
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 09/879,813
; PRIOR FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: PCT/GB99/03358
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: GB 9822104.7
; PRIOR FILING DATE: 1998-10-09
; PRIOR APPLICATION NUMBER: GB 9901141.3
; PRIOR FILING DATE: 1999-01-19
; PRIOR APPLICATION NUMBER: GB 9913435.5
; PRIOR FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: primer
US-10-146-505-7

Query Match          0.8%; Score 17.8; DB 15; Length 29;
Best Local Similarity 75.9%; Pred. No. 6.9e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGCGAGTGGG 29

RESULT 35
US-10-157-382-4
; Sequence 4, Application US/10157382
; Publication No. US20030082668A1
; GENERAL INFORMATION:
; APPLICANT: TAWAI, Katsuyuki
; APPLICANT: MIYAZAKI, Toshiaki
; APPLICANT: WADA, Emi
; APPLICANT: TATSUZAWA, Ayumi
; TITLE OF INVENTION: METHOD FOR MEASURING THE ACTIVITY OF DEACETYLASE
; TITLE OF INVENTION: AND METHOD OF SCREENING FOR INHIBITORS AND ACCELERATORS
; TITLE OF INVENTION: OF THE ENZYME
; FILE REFERENCE: M3-109PCT-US(CIP)
; CURRENT APPLICATION NUMBER: US/10/157,382
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: PCT/JP00/08417
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: JP 1999-338565
; PRIOR FILING DATE: 1999-11-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Artificially
; OTHER INFORMATION: Synthesized Primer Sequence
US-10-157-382-4

Query Match          0.8%; Score 17.8; DB 14; Length 30;
Best Local Similarity 75.9%; Pred. No. 7e+05;
```

```
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1389 CGCCTTCAGGCCGACGTGACTTCATCTCT 1417
Db 1 CGCCTCGAGGCCCAACTTGACCTCTCTCT 29

RESULT 36
US-10-098-263B-48292/c
; Sequence 48292, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 48292
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-48292
Query Match 0.8%; Score 17.6; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 7.6e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2164 TCAGACACTGTGTGGAGGCGACA 2187
Db 25 TCGGACACTGTGTGGGTGACACA 2

RESULT 37
US-10-098-263B-130463/c
; Sequence 130463, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 130463
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-130463
Query Match 0.8%; Score 17.6; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 7.6e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1396 AGGCCCGACGTGACTTCATCTCT 1419
Db 24 AGGTCCGACGTATCTCTCTCTCT 1

RESULT 38
US-10-098-263B-130464/c
; Sequence 130464, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
```

```
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 130464
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-130464
Query Match 0.8%; Score 17.6; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 7.6e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1396 AGGCCCGACGTGACTTCATCTCT 1419
Db 24 AGGTCCGACGTATCTCTCTCTCT 1

RESULT 39
US-10-262-839-342
; Sequence 342, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John,
; APPLICANT: Anderson, David W.,
; APPLICANT: Boidog, Ferenc,
; APPLICANT: Burgess, Catherine,
; APPLICANT: Catterton, Elina,
; APPLICANT: Edinger, Shlomit,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Gorman, Linda,
; APPLICANT: Guo, Xiaojia,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Leach, Martin,
; APPLICANT: Li, Li,
; APPLICANT: Miller, Charles,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Reiger, Daniel,
; APPLICANT: Rothenberg, Mark,
; APPLICANT: Shimkets, Richard,
; APPLICANT: Smithson, Glennda,
; APPLICANT: Spytek, Kimberly,
; APPLICANT: Taupier, Raymond, Jr.,
; APPLICANT: Vernet, Corine,
; APPLICANT: Voss, Edward,
; APPLICANT: Zerhusen, Brian,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-462A
; CURRENT APPLICATION NUMBER: US/10/262,839
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: 60/326,483
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/381,101
; PRIOR FILING DATE: 2002-05-16
; PRIOR APPLICATION NUMBER: 60/371,972
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/327,342
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 60/328,044
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,849
```

```
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/374,738
; PRIOR FILING DATE: 2002-04-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 367
; SOFTWARE: Curasquid version 0.1
; SEQ ID NO 342
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe
US-10-262-839-342

Query Match          0.8%; Score 17.4; DB 16; Length 29;
Best Local Similarity 77.8%; Pred. No. 9e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2087 TTCTCTGCACAGGCTCTGCTGTGTC 2113
Db 3 TTACCTGCACAGGCTCTACTCTGTGC 29

RESULT 40
US-10-081-281-22
; Sequence 22, Application US/10081281
; Publication No. US2002015107A1
; GENERAL INFORMATION:
; APPLICANT: Kindsvogel, Wayne
; GROSS, Jane A.
; SHEPPARD, Paul
; TITLE OF INVENTION: Immune Mediators and Related Methods
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/10/081,281
; FILING DATE: 20-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/261,811A
; FILING DATE: 03-Mar-1999
; APPLICATION NUMBER: US 08/480,002
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/482,133
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/483,241
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 60/005,964
; FILING DATE: 27-OCT-1995
; APPLICATION NUMBER: US 08/657,581
; FILING DATE: 07-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 014058-005630US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
```

```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-081-281-22

Query Match          0.8%; Score 17.4; DB 13; Length 30;
Best Local Similarity 77.8%; Pred. No. 9.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 328 CCAGATATGCTGCCCGCAGGAGGTG 354
Db 2 CCACCTGATCCACCCCGCAGGAGGTG 28

RESULT 41
US-10-343-810-12
; Sequence 12, Application US/10343810
; Publication No. US2004008760A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Randy D.
; APPLICANT: Song, Ping
; TITLE OF INVENTION: GOSYPIUM HIRSUTUM TISSUE-SPECIFIC PROMOTERS AND THEIR
; TITLE OF INVENTION: USE
; FILE REFERENCE: 201304/1062
; CURRENT APPLICATION NUMBER: US/10/343,810
; CURRENT FILING DATE: 2003-10-24
; PRIOR APPLICATION NUMBER: 60/223,496
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-343-810-12

Query Match          0.8%; Score 17.4; DB 16; Length 30;
Best Local Similarity 77.8%; Pred. No. 9.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 654 GAAGTTTCAGGACCACGTCAGACTTG 680
Db 3 GCAGTTTCAGACCCAGGTCGATGTTG 29

RESULT 42
US-10-244-647-1317
; Sequence 1317, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceutical, Inc.
; APPLICANT: Morrissey, David
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
; FILE REFERENCE: 400/060 (MEHB02-1000)
; CURRENT APPLICATION NUMBER: US/10/244,647
; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: PCT US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1317
```



```
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4521
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-4521

Query Match      0.8%; Score 17; DB 14; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1242 GAACGGCAGCGGACCGGCGGAGGA 1266
    ||||| || ||||| ||||| |||||
Db 1 GAAC TTCGCGGACCGGTAGAGGA 25

RESULT 47
US-10-098-263B-8292
; Sequence 8292, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 8292
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-8292

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 882 GAAGAGACGGGCACCTTTTGAGAAC 906
    ||||| ||||| ||||| |||||
Db 1 GACGAAGACGACCAACCCCTTGAGTAC 25

RESULT 48
US-10-098-263B-32545/c
; Sequence 32545, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 32545
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-32545

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 2163 CTCAGACACTGTGTGGGAGGCACA 2187
    ||||| ||||| ||||| |||||
Db 25 CTCGACACTGTGACGGTGGACACA 1

RESULT 49
US-10-098-263B-50938/c
; Sequence 50938, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 50938
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-50938

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1892 AGTGGAGCACATCCAGCAGTGCC 1916
    ||||| ||||| ||||| |||||
Db 25 AGTAGATCAGATCCAGAAAGTGC 1

RESULT 50
US-10-098-263B-54431/c
; Sequence 54431, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 54431
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-54431

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1397 GGCCCGACGTGACTTCATCCTCTTT 1421
    ||||| ||||| ||||| |||||
Db 25 GGTACACAGTGTCTCCATCCTCTTT 1

Search completed: November 20, 2004, 09:41:23
Job time : 1126 secs
```

This Page Blank (uspto)

GenCore version 5.1.6
 Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 20, 2004, 03:17:09 ; Search time 7057 Seconds
 (without alignments)
 11680.129 Million cell updates/sec

Title: US-10-067-125-2
 Perfect score: 2262
 Sequence: 1 gaattccggcggtcgac.....attaaaccattacaattctc 2262

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Capext 1.0

Searched: 32822875 seqs, 18219865908 residues
 Total number of hits satisfying chosen parameters: 46458

Minimum DB seq length: 0
 Maximum DB seq length: 30

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 50 summaries

Database : EST:*

- 1: gb_est1:*
- 2: gb_est2:*
- 3: gb_hc1:*
- 4: gb_est3:*
- 5: gb_est4:*
- 6: gb_est5:*
- 7: gb_est6:*
- 8: gb_gss1:*
- 9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.6	0.8	27	9 CG708102	CG708102 1119006E0
C 2	16.8	0.7	24	8 AZ770304	AZ770304 1M0571K14
C 3	16.8	0.7	29	8 AZ839016	AZ839016 2M0134O22
C 4	16.6	0.7	25	8 AZ460726	AZ460726 1M0266O10
C 5	16.4	0.7	29	8 AZ759919	AZ759919 1M0553H09
6	16.4	0.7	30	9 CG713193	CG713193 111903O01
7	16.2	0.7	21	4 BM400027	BM400027 5009-0-65
8	16.2	0.7	28	8 AZ584848	AZ584848 1M0389I13
9	16	0.7	24	8 AZ936903	AZ936903 2M0193E20
C 10	16	0.7	25	8 AZ312923	AZ312923 1M0029L01
C 11	16	0.7	30	9 CG721980	CG721980 111906901
C 12	15.8	0.7	20	6 CD531709	CD531709 11M02 Ara
C 13	15.8	0.7	23	9 AG194875	AG194875 Pan trogl
C 14	15.8	0.7	28	8 BH907751	BH907751 SALK 0439
C 15	15.8	0.7	29	8 AZ479604	AZ479604 1M0300E21
C 16	15.8	0.7	29	8 AZ646100	AZ646100 1M0511P19
C 17	15.8	0.7	29	8 AZ854411	AZ854411 2M0158B05
C 18	15.6	0.7	25	1 AI757084	AI757084 EtESTead04
C 19	15.6	0.7	25	9 CG714622	CG714622 1119037E0
C 20	15.6	0.7	28	1 AI914763	AI914763 tro2ali.x
C 21	15.6	0.7	28	8 AZ307581	AZ307581 1M0009J09
C 22	15.6	0.7	29	8 AZ618807	AZ618807 1M0450N11
C 23	15.6	0.7	29	8 CC455120	CC455120 SALK 0553
C 24	15.4	0.7	24	8 AZ448189	AZ448189 1M0245A16

ALIGNMENTS

RESULT 1

CG708102

LOCUS

DEFINITION 1119006E02.2ELy1 1119 - RescueMu Grid AA Zea mays genomic, genomic survey sequence.

ACCESSION CG708102

VERSION CG708102.1 GI:37734008

KEYWORDS GSS.

SOURCE Zea mays

ORGANISM Zea mays

REFERENCE 1 (bases 1 to 27)

AUTHORS Walbot,V.

TITLE Maize genomic sequences found using engineered RescueMu transposon

JOURNAL Unpublished (2001)

COMMENT Contact: Walbot V
 Department of Biological Sciences
 Stanford University
 855 California Ave, Palo Alto, CA 94304, USA
 Tel: 650 723 2227
 Fax: 650 725 8221
 Email: walbot@stanford.edu
 Possible ligation site of ends cut by 2 different endonucleases.
 Reverse complemented post-ligation sequence from source sequence.
 Plate: 1119006 row: E column: 02
 Class: transposon-tagged.
 Location/Qualifiers
 1..27
 /organism="Zea mays"
 /mol_type="genomic DNA"
 /cultivar="mixed background W23/A188/B73/K55"
 /db_xref="taxon:4577"
 /tissue_type="leaf"
 /dev_stage="adult"
 /lab_host="DH10B"
 /clone_lib="1119 - RescueMu Grid AA"
 /note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site 1: BamHI; Site 2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA."

Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.iastate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

ORIGIN

Query Match 0.8%; Score 18.6; DB 9; Length 27;
Best Local Similarity 84.0%; Pred. No. 1.6e+07;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 629 GCGCGAGAGAGATCCCGGGGA 653
||||| ||||| ||||| ||||| |||||
Db 2 GCGCGAGAGACGACCCCGGGGA 26

RESULT 2

AZ770304/c
LOCUS 24 bp DNA linear GSS 16-FEB-2001
DEFINITION 1M0571K14R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0571K14 R, genomic survey sequence.

ACCESSION AZ770304

VERSION AZ770304.1 GI:12891351

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

1 (bases 1 to 24)

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,

Reilly,M., Rose,R., Stokes,R., Tingey,A., von

Niederhauser,A. and Wright,D. Weiss,R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0571 row: K column: 14

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 24.

Location/Qualifiers

FEATURES

source

1..24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0571K14"
/sex="Male"
/lab_hosts="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi14732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 16.8; DB 8; Length 24;
Best Local Similarity 90.0%; Pred. No. 4e+07;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 988 GACAAGATTGAAGCCCTGAG 1007
||||| ||||| ||||| ||||| |||||
Db 24 GACAAGTTCGAAGCCCTGAG 5

RESULT 3

AZ839016/c

LOCUS

DEFINITION 2M0134022R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0134022 R, genomic survey sequence.

ACCESSION AZ839016

VERSION AZ839016.1 GI:13008924

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

1 (bases 1 to 29)

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,

Reilly,M., Rose,R., Stokes,R., Tingey,A., von

Niederhauser,A. and Wright,D. Weiss,R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0134 row: O column: 22

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 29.

Location/Qualifiers

FEATURES

source

1..29
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0134022"
/sex="Male"
/lab_hosts="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 16.8; DB 8; Length 29;
Best Local Similarity 75.0%; Pred. No. 4.1e+07;
Matches 21; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2180 AGGCGACAGCACAGCTGCGGTAAAGTG 2207
|||||
Db 28 AAGCCAGAGCAGCGCTGGGGGTCAAGTGT 1
|||||

RESULT 4

AZ460726/c
LOCUS 25 bp DNA linear GSS 04-OCT-2000
DEFINITION clone UUGC1M0266010 F, genomic survey sequence.

ACCESSION AZ460726
VERSION 1
KEYWORDS GSS.
SOURCE AZ460726.1 GI:10618951

ORGANISM Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 25)

REFERENCE DUNN, D., AOYAGI, A., BARBER, M., BEACORN, T., DUVAL, B., HAMIL, C., ISLAM, H., LONGACRE, S., MAHMOUD, M., MEENEN, E., PEDERSEN, T., REILLY, M., ROSE, R., ROSE, R., STOKES, R., TINGEY, A., VON NIEDERHAUSEN, A. and WRIGHT, D., WEISS, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)

COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0266 row: C column: 10
Seq primer: CGTTGTAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 25.

FEATURES

source

Location/Qualifiers

1..25
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0266010"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 16.6; DB 8; Length 25;
Best Local Similarity 82.6%; Pred. No. 4.5e+07;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1579 TGGGGGTTGGGGCGACGCGCA 1601
|||||
Db 23 TGGGGGTTGGGTGAAGCGCAGGGA 1
|||||

RESULT 5

AZ759919/c
LOCUS 29 bp DNA linear GSS 16-FEB-2001
DEFINITION clone UUGC1M0553H09 F, genomic survey sequence.

ACCESSION AZ759919
VERSION 1
KEYWORDS GSS.
SOURCE AZ759919.1 GI:12867200

ORGANISM Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 29)

REFERENCE DUNN, D., AOYAGI, A., BARBER, M., BEACORN, T., DUVAL, B., HAMIL, C., ISLAM, H., LONGACRE, S., MAHMOUD, M., MEENEN, E., PEDERSEN, T., REILLY, M., ROSE, R., ROSE, R., STOKES, R., TINGEY, A., VON NIEDERHAUSEN, A. and WRIGHT, D., WEISS, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)

COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0553 row: H column: 09
Seq primer: CGTTGTAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 29.

FEATURES

source

Location/Qualifiers

1..29
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0553H09"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 16.4; DB 8; Length 20;
Best Local Similarity 76.9%; Pred. No. 5.1e+07;
Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 338 CTGCGGCGAGGAGGTGGAGCGCTG 363
||||| ||||| ||||| ||||| |||||
DB 26 CTGCGTGCAGGAACCTGGAAATCCTG 1

RESULT 6
CG713193
LOCUS
DEFINITION 1119030G10.2EL.Y1 1119 - RescueMu Grid AA Zea mays genomic, genomic survey sequence.
CG713193
CG713193
CG713193.1 GI:37739099
GSS.
KEYWORDS
SOURCE
ORGANISM
Zea mays
Eukaryota;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.
1 (bases 1 to 30)

REFERENCE
AUTHORS Walbot,V.
TITLE Maize genomic sequences found using engineered RescueMu transposon
JOURNAL Unpublished (2001)
COMMENT Contact: Walbot V
Department of Biological Sciences
Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
Possible ligation site of ends cut by 2 different endonucleases.
Reverse complemented post-ligation sequence from source sequence.
Plate: 1119030 row: G column: 10
Class: transposon-tagged.
Location/Qualifiers
1. 30
/organism="Zea mays"
/mol_type="genomic DNA"
/culturvar="mixed background W23/A188/B73/X55"
/db_xref="taxon:4577"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="1119 - RescueMu Grid AA"
/notes="Organ: leaf; Vector: RescueMu (engineered from pBluescript backbone); Site: 1: BamHI; Site 2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.lscate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

FEATURES
source

1. 30
/organism="Zea mays"
/mol_type="genomic DNA"
/culturvar="mixed background W23/A188/B73/X55"
/db_xref="taxon:4577"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="1119 - RescueMu Grid AA"
/notes="Organ: leaf; Vector: RescueMu (engineered from pBluescript backbone); Site: 1: BamHI; Site 2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.lscate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

ORIGIN

Query Match 0.7%; Score 16.4; DB 9; Length 30;
Best Local Similarity 76.9%; Pred. No. 5.1e+07;

Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 627 CTGCGCAAGAGAAGATCCCGCGG 652
||||| ||||| ||||| ||||| |||||
DB 5 CAGCGCGAGAAGCAAAACCCCGCGG 30

RESULT 7
BM400027
LOCUS
DEFINITION 21 bp mRNA linear EST 17-JAN-2002
Tetrahymena thermophila cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM400027
VERSION BM400027.1 GI:18200080
KEYWORDS
SOURCE
ORGANISM
Tetrahymena thermophila
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea; Hymenostomatida; Tetrahymenina; Tetrahymena.
1 (bases 1 to 21)

REFERENCE
AUTHORS Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel,J. and Klobutcher,L.
TITLE EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL Unpublished (2002)
COMMENT Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
Location/Qualifiers
1. 21
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."

FEATURES
source

1. 21
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."

ORIGIN

Query Match 0.7%; Score 16.2; DB 4; Length 21;
Best Local Similarity 85.7%; Pred. No. 5.4e+07;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 829 GGAGACCAGCCACGCGGG 849
||||| ||||| ||||| ||||| |||||
DB 1 GGAAGACTGAGCCACGCGGG 21

RESULT 8
AZ584848
LOCUS
DEFINITION 28 bp DNA linear GSS 13-DEC-2000
1M038911R Mouse 10kb plasmid UUGCLM library Mus musculus genomic clone UUGCLM0389113 R, genomic survey sequence.

ACCESSION AZ584848
VERSION AZ584848.1 GI:11706145
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 28)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmood,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)

```

COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0389 row: I column: 13
Seq primer: CACACAGGAACACGCTATGACC
Class: plasmid ends
High quality sequence stop: 28.
Location/Qualifiers
1. .28
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0389113"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified Genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

FEATURES
source
1. .28
Location/Qualifiers
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0193E20"
/sex="Female"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/notes="Vector: PWD42nv; Purified Genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN
Query Match 0.7%; Score 16.2; DB 8; Length 28;
Best Local Similarity 85.7%; Pred. No. 5.7e+07;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1574 GTGTCGGGGGTGGGGGCAG 1594
|||||
Db 1 GTGTCGGGGTCCGGGGGCAG 21

RESULT 9
AZ936903
LOCUS
2M0193E20R Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M0193E20 R, genomic survey sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 24)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D.,Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)

TITLE
JOURNAL

COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0193 row: E column: 20
Seq primer: CACACAGGAACACGCTATGACC
Class: plasmid ends
High quality sequence stop: 24.
Location/Qualifiers
1. .24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0193E20"
/sex="Female"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/notes="Vector: PWD42nv; Purified Genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN
Query Match 0.7%; Score 16; DB 8; Length 24;
Best Local Similarity 79.2%; Pred. No. 6.1e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1860 GAAGGGAGAGCGCCCTGGTGGGG 1883
|||||
Db 1 GAAGGGAGAGCGCTGGTGGAGGG 24

RESULT 10
AZ312923/c
LOCUS
1M0029L01F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0029L01 F, genomic survey sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 25)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D.,Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)

TITLE
JOURNAL

```

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308 Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0029 row: L column: 01
Seq primer: CGTGTAAACGAGCGCCAGT
Class: plasmid ends
High quality sequence stop: 25.

FEATURES

source

1. .25
Location/Qualifiers
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0029L01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, P-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GII4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 16; DB 8; Length 25;
Best Local Similarity 79.2%; Pred. No. 6.2e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1879 GGGGACACTCAGAGTGGGAGCAC 1902

Db 25 GGGTGACATCAGAGTGGCAGTAC 2

RESULT 11

CG721980/c

LOCUS

DEFINITION CG721980 30 bp DNA linear GSS 20-OCT-2003
1119069G12.1|EL_Y1_1119 - RescueMu Grid AA Zea mays genomic, genomic survey sequence.

ACCESSION

CG721980

VERSION

GSS.

KEYWORDS

Zea mays

ORGANISM

Zea mays

REFERENCE

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD

clade; Panicoideae; Andropogoneae; Zea.

1 (Bases 1 to 30)

Walbot, V.

Maize genomic sequences found using engineered RescueMu transposon

Unpublished (2001)

Contact: Walbot V

Department of Biological Sciences

Stanford University

855 California Ave, Palo Alto, CA 94304, USA

Tel: 650 723 2227

Fax: 650 725 8221

Email: walbot@stanford.edu

Very probable ligation site of ends cut by single endonuclease.

Reverse complemented post-ligation sequence from source sequence.

Plate: 1119069 row: G column: 12

Class: transposon-tagged.

Location/Qualifiers

1. .30

/organism="Zea mays"

/mol_type="genomic DNA"

/cultivar="mixed background W23/A188/B73/K55"

/db_xref="taxon:4577"

/tissue_type="leaf"

/dev_stage="adult"

/lab_host="DH10B"

/clone_lib="1119 - RescueMu Grid AA"

/note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site 1: BamHI, Site 2: BglII;

RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA.

Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web

site 'www.zmdb.lastate.edu' and follow the links for

'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA

was extracted from leaf strips, double digested using

BamHI and BglII, and ligated to form circular plasmids.

DH10B cells were transformed and then screened on LB

plates with ampicillin."

ORIGIN

Query Match 0.7%; Score 16; DB 9; Length 30;
Best Local Similarity 79.2%; Pred. No. 6.3e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 605 AGTCCCTTAACTGTGACGGCT 628

Db 30 AGTTCCCGTACGTTGCGACGGCT 7

RESULT 12

CD531709/c

LOCUS

DEFINITION

CD531709

ACCESSION

CD531709.1

VERSION

EST.

KEYWORDS

Arabidopsis thaliana (thale cress)

ORGANISM

Arabidopsis thaliana

REFERENCE

Guo, Y., Cai, Z. and Gan, S.

Transcriptome of Arabidopsis leaf senescence

Plant Cell Environ. 27 (5), 521-549 (2004)

Contact: Susheng Gan

Department of Horticulture

Cornell University

119 Plant Science, Cornell University, Ithaca, NY 14853-5904, USA

Tel: 607 254 5418

Fax: 607 255 0599

Email: sg288@cornell.edu

Insert Length: 20 Std Error: 0.00

Seg primer: T7

POLYA-No.

Location/Qualifiers

1. .20

/organism="Arabidopsis thaliana"

/mol_type="mRNA"

/ecotype="Landsberg erecta"

```

/db_xref="taxon:3702"
/tissue_type="leaf"
/dev_stage="yellow Leaf With Greenish Base Area"
/lab_host="E. coli"
/clone_lib="Arabidopsis Leaf Senescence Library"
/notes="Organ: Rosette Leaf; Vector: pBluscript SKII+;
Site 1: EcoRI; Site 2: EcoRI; Senescent rosette leaves #5
and #6 (counted from the bottom) were harvested and
immediately frozen in liquid N2. The leaves were visibly
yellow excepted for the leaf base areas that were still
greenish. "
```

ORIGIN

```

Query Match          0.7%; Score 15.8; DB 6; Length 20;
Best Local Similarity 89.5%; Pred. No. 6.7e+07;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

QY 1530 CAAGGCCATTGTGGACCTG 1548

Db 20 CAAGGCCATTGTGTGAGCTG 2

RESULT 13

AG194875/c

LOCUS

DEFINITION Pan troglodytes DNA, clone: RP43-073F19.TJ, genomic survey

ACCESSION

AG194875

VERSION

AG194875.1 GI:45227051

KEYWORDS

GSS.

SOURCE

ORGANISM

Pan troglodytes (chimpanzee)

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

AG194875

AG194875

AG194875.1 GI:45227051

GSS.

ORGANISM

Pan troglodytes

DEFINITION

```

REFERENCE
AUTHORS      1 (bases 1 to 29)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D. Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
             plasmid inserts
JOURNAL      Unpublished (2000)
COMMENT      Contact: Robert B. Weiss
             University of Utah
             Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
             84112, USA
             Tel: 801 585 5606
             Fax: 801 585 7177
             Email: ddunn@genetics.utah.edu
             Insert Length: 10000 Std Error: 0.00
             Plate: 0300 row: E column: 21
             Seq primer: CGTGTAAACGACGGCCAGT
             Class: plasmid ends
             High quality sequence stop: 29.
FEATURES     source
             1..29
             /organism="Mus musculus"
             /mol_type="genomic DNA"
             /strain="C57BL/6J"
             /db_xref="taxon:10090"
             /clone="UUGC1M0300E21"
             /sex="Male"
             /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
             /clone_lib="Mouse 10kb plasmid UUGC1M library"
             /note="Vector: PWD42nv; Purified genomic DNA from M.
             musculus C57BL/6J (male) was obtained from the Jackson
             Laboratory Mouse DNA Resource
             (http://www.jax.org/resources/documents/dnares/). The DNA
             was hydrodynamically sheared by repeated passage through a
             0.005 inch orifice at constant velocity. The sheared DNA
             was blunt end-repaired with T4 DNA polymerase and T4
             polynucleotide kinase. Adaptor oligonucleotides were
             ligated to the blunt ends in high molar excess. The
             adaptor DNA was purified and size-selected for a 9.5 to
             10.5 kb range using preparative agarose gel
             electrophoresis. Vector DNA was prepared from a derivative
             of pWD42 (GI|4732114|gb|AF129072.1), a copy-number
             inducible derivative of plasmid R1. The vector was ligated
             with adaptors complementary to the insert adaptors and
             purified. The sheared, adaptor mouse DNA was annealed to
             adaptor vector DNA, and transformed into
             chemically-competent E. coli XL10-Gold (Stratagene) cells
             and selected for ampicillin resistance."
ORIGIN
Query Match      0.7%; Score 15.8; DB 8; Length 29;
Best Local Similarity 89.5%; Pred. No. 7e+07;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1573 GGTGTCGTGGGGGTGGGGG 1591
      |||||
      11 GGAGTCGTGGGGGTGGGGG 29

RESULT 16
AZ646100
LOCUS
DEFINITION      1M0511P19R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0511P19 R, genomic survey sequence.
ACCESSION      AZ646100
VERSION        AZ646100.1 GI:11776226
KEYWORDS       GSS.
SOURCE         Mus musculus (house mouse)
ORGANISM       Mus musculus
               Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

```

```

REFERENCE
AUTHORS      1 (bases 1 to 29)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D. Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
             plasmid inserts
JOURNAL      Unpublished (2000)
COMMENT      Contact: Robert B. Weiss
             University of Utah
             Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
             84112, USA
             Tel: 801 585 5606
             Fax: 801 585 7177
             Email: ddunn@genetics.utah.edu
             Insert Length: 10000 Std Error: 0.00
             Plate: 0511 row: P column: 19
             Seq primer: CACACAGGAACACGATATGACC
             Class: plasmid ends
             High quality sequence stop: 29.
FEATURES     source
             1..29
             /organism="Mus musculus"
             /mol_type="genomic DNA"
             /strain="C57BL/6J"
             /db_xref="taxon:10090"
             /clone="UUGC1M0511P19"
             /sex="Male"
             /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
             /clone_lib="Mouse 10kb plasmid UUGC1M library"
             /note="Vector: PWD42nv; Purified genomic DNA from M.
             musculus C57BL/6J (male) was obtained from the Jackson
             Laboratory Mouse DNA Resource
             (http://www.jax.org/resources/documents/dnares/). The DNA
             was hydrodynamically sheared by repeated passage through a
             0.005 inch orifice at constant velocity. The sheared DNA
             was blunt end-repaired with T4 DNA polymerase and T4
             polynucleotide kinase. Adaptor oligonucleotides were
             ligated to the blunt ends in high molar excess. The
             adaptor DNA was purified and size-selected for a 9.5 to
             10.5 kb range using preparative agarose gel
             electrophoresis. Vector DNA was prepared from a derivative
             of pWD42 (GI|4732114|gb|AF129072.1), a copy-number
             inducible derivative of plasmid R1. The vector was ligated
             with adaptors complementary to the insert adaptors and
             purified. The sheared, adaptor mouse DNA was annealed to
             adaptor vector DNA, and transformed into
             chemically-competent E. coli XL10-Gold (Stratagene) cells
             and selected for ampicillin resistance."
ORIGIN
Query Match      0.7%; Score 15.8; DB 8; Length 29;
Best Local Similarity 74.1%; Pred. No. 7e+07;
Matches 20; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2109 TGTCCACCTGTGGCCAGCGTGGTGTG 2135
      |||||
      2 TGCGCCACCACTGCCAAGCTTCTGTG 28

RESULT 17
AZ854411/c
LOCUS
DEFINITION      2M0159B05F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0159B05 F, genomic survey sequence.
ACCESSION      AZ854411
VERSION        AZ854411.1 GI:13043500
KEYWORDS       GSS.
SOURCE         Mus musculus (house mouse)
ORGANISM       Mus musculus
               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

```

```

REFERENCE
AUTHORS
1 (bases 1 to 29)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhauser,A. and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL
COMMENT
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 std Error: 0.00
Plate: 0158 row: B column: 05
Seq primer: CGTTGTAACGACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 29.
Location/Qualifiers
1. .29
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0158B05"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb Plasmid UUGCLM library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gil4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

ORIGIN
Query Match 0.7%; Score 15.8; DB 8; Length 29;
Best Local Similarity 74.1%; Pred. No. 7e+07;
Matches 20; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 732 GGTAGAGGGTGAGAACAGCAGGAGCA 758
Db 28 GGAACAGGAGGAGACGAGGAGCA 2

RESULT 18
LOCUS
AI757084 25 bp mRNA linear EST 18-JAN-2000
DEFINITION
EtesTea04d05.v1 Eimeria M5-6 Merozoite stage Eimeria tenella cDNA
5' similar to TR:Q64526 Q64526 ULTRA-HIGH SULPHUR KERATIN. 1; mRNA
sequence.
ACCESSION
AI757084.1 GI:5150807
VERSION
AI757084
KEYWORDS
EST.
SOURCE
Eimeria tenella
Eimeria tenella
ORGANISM
Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Eimeriidae;

REFERENCE
AUTHORS
1 (bases 1 to 25)
Liberator,P., Diaz,C., Tang,K., Marra,M., Hillier,L., Kucaba,T.,
Martin,J., Wylie,T., Underwood,K., Steptoe,M., Theising,B.,
Allen,M., Bowers,Y., Pearson,B., Swaller,T., Gibbons,M., Pape,D.,
Harvey,N., Schurk,R., Ritter,E., Kohn,S., Florence,N., Shin,I.,
Jackson,Y., Cardenas,M., McCann,R., Waterston,R., Wilson,R. and
Sibley,D.
WashU-Merck Eimeria tenella project
Unpublished (1999)
Contact: David Sibley, Ph.D.
WashU-Merck Eimeria tenella project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Contact David Sibley (toxest@borcim.wustl.edu) for further
information relating to organism, libraries, or clone availability.
Seq primer: -40RP from Gibco
High quality sequence stop: 1.
Location/Qualifiers
1. .25
/organism="Eimeria tenella"
/mol_type="mRNA"
/strain="LS18"
/db_xref="taxon:5802"
/dev_stage="Merozoite"
/lab_host="SOLR E. coli"
/clone_lib="Eimeria M5-6 Merozoite stage"
/notes="Vector: Bluescript SK-; Site 1: EcoRI; Site 2:
XhoI; Merozoites were obtained from ceasal scrapings of
chickens infected with E. tenella. The library may
contain a small percentage of host or bacterial
contaminants. cDNA was synthesized from poly mRNA using
an oligo-dT primer containing a XhoI site. Following
second strand synthesis, EcoRI adaptors were ligated to
the cDNA and products were size-selected on Sephacryl
S500. cDNAs were digested with EcoRI/XhoI and cloned into
lambda Zap II (Stratagene). Clones were converted to
phagemids by mass excision using ExAssist helper phage and
SOLR cells (Stratagene). Insert sizes range from 0.7-1.5
kb."

ORIGIN
Query Match 0.7%; Score 15.6; DB 1; Length 25;
Best Local Similarity 81.8%; Pred. No. 7.6e+07;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1452 AAGCGGCTGCCCCCTCTCTGTC 1473
Db 4 AAGCCCTGCCCCCTGCTGC 25

RESULT 19
LOCUS
CG714622
DEFINITION
CG714622
ACCESSION
CG714622.1 GI:37741156
VERSION
CG714622.1
KEYWORDS
GSS.
SOURCE
Zea mays
Zea mays
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
1 (bases 1 to 25)
Walbot,V.
Maize genomic sequences found using engineered RescueMu transposon
Unpublished (2001)
Contact: Walbot V
Department of Biological Sciences

```

Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
Possible ligation site of ends cut by 2 different endonucleases.
Reverse complemented post-ligation sequence from source sequence.
Plate: 1119037 row: E column: 09
Class: transposon-tagged.
Location/Qualifiers

FEATURES

source

1. .25
/organism="Zea mays"
/mol_type="genomic DNA"
/cultiivar="mixed background W23/A188/B73/K55"
/db_xref="taxon:4577"
/tissue_type="leaf"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="1119 - RescueMu Grid AA"
/note="Organ: leaf; Vector: RescueMu (engineered from pBluescript backbone); Site 1: BamHI; Site 2: BglII; RescueMu is a 4.9 Kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.znmb.iastate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

ORIGIN

Query Match 0.7%; Score 15.6; DB 9; Length 25;
Best Local Similarity 81.8%; Pred.No. 7.6e+07;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 970 CAGCACC GGCTGGACCAAGACA 991

Db 1 CAGCACC GGCTGGACCAAGACA 22

RESULT 20
AI914763/c 28 bp mRNA linear EST 28-JUL-1999
LOCUS t02a11.x1 NCI CGAP Ov23 Homo sapiens CDNA clone IMAGE:2217116 3'
DEFINITION similar to TR:016161 O16161 PRECOLLAGEN P PRECURSOR. ; mRNA
sequence.

ACCESSION AI914763.1 GI:5634618

VERSION AI914763.1

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 28)

NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index

Unpublished (1997)

Contact: Robert Strausberg, Ph.D.

Email: cgapsb@mail.nih.gov

Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.

Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: Life Technologies, Inc.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html

Seq primer: -40UP from Gibco

High quality sequence stop: 1.

Location/Qualifiers

FEATURES

source

1. .28
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clones="IMAGE:2217116"
/tissue_type="tumor, 5 pooled (see description)"
/lab_host="DH10B"
/clone_lib="NCI CGAP Ov23"
/note="Organ: Ovary; Vector: pCMV-SPORT6; Site 1: SalI; Site 2: NotI; Cloned unidirectionally. Primer: Oligo dr. Average insert size 1.35 Kb. Tumor types include: mixed Mullerian tumor, papillary serous, clear cell, spindle cell. All are primary tumors, metastasis positive. Life Technologies catalog #: 11534-013"

ORIGIN

Query Match 0.7%; Score 15.6; DB 1; Length 28;
Best Local Similarity 81.8%; Pred.No. 7.7e+07;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1661 GGGCCCCGCTTGGCGCTTGGG 1682

Db 22 GGGCCCCGCTTGGCGCTTGGG 1

RESULT 21

LOCUS AZ307581/c

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 28)

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,

Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von

Niederhausern, A. and Wright, D. Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0009 row: J column: 09

Seq primer: CACACGAGAAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 28.

Location/Qualifiers

1. .28

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clones="UUGCM000909"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGCM library"

/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 15.6; DB 8; Length 28;
Best Local Similarity 81.8%; Pred. No. 7.7e+07;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 734 TAGAGGTGAGAAACAGCAGGA 755
Db 22 TGGATGGTGGGAACAGGAGGA 1

RESULT 22

AZ618807/c

LOCUS

DEFINITION 1M0450N1R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0450N1 R, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

29 bp DNA linear GSS 13-DEC-2000
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 29)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Isilan, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,
Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
Niederhausern, A. and Wright, D. Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0450 row: N column: 11
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 29.

FEATURES

source

Location/Qualifiers
1..29
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0450N11"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: pWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 15.6; DB 8; Length 29;
Best Local Similarity 81.8%; Pred. No. 7.8e+07;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1174 CCGGCATCTTCTCCCGAGCT 1195
Db 28 CCCACCATCCTCCCGAGTCT 7

RESULT 23

CC455120

LOCUS

DEFINITION 29 bp DNA linear GSS 30-MAY-2003
SALK_055370.47.35.x Arabidopsis thaliana TDNA insertion lines
Arabidopsis thaliana genomic clone SALK_055370.47.35.x, genomic
survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

29 bp DNA linear GSS 30-MAY-2003
SALK_055370.47.35.x Arabidopsis thaliana TDNA insertion lines
Arabidopsis thaliana genomic clone SALK_055370.47.35.x, genomic
survey sequence.
CC455120
CC455120.1 GI:31214989
GSS.
Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsi.
1 (bases 1 to 29)
Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R.,
Gadriab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L.,
Shinn, P., Zimmerman, J. and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the
Arabidopsis Genome
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (Signal)
The Salk Institute for Biological Studies
10310 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
Email: ecker@salk.edu
This is single pass sequence recovered from the left border of
TDNA.
Class: TDNA tagged.

FEATURES

source

Location/Qualifiers
1..29
/organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/ecotype="Col-0"
/db_xref="taxon:3702"
/clone="SALK_055370.47.35.x"
/clone_lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html

ORIGIN

Query Match 0.7%; Score 15.6; DB 8; Length 29;


```

/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

ORIGIN
Query Match      0.7%; Score 15.4; DB 4; Length 23;
Best Local Similarity 76.0%; Pred. No. 8.6e+07;
Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 741 TGAGAAACAGCAGGACGAGGTG 765
    |||||
Db 1 TGACAAAAGCTTGACCACGGGTG 25

RESULT 29
AZ789371
LOCUS      23 bp DNA linear GSS 16-FEB-2001
DEFINITION
2M0037L01F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0037L01 F, genomic survey sequence.
ACCESSION  AZ789371
VERSION     AZ789371.1 GI:12930098
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 23)
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,R., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D. Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0037 row: L column: 01
Seq primer: CGTTGTAACAGCGGCAGT
Class: plasmid ends
High quality sequence stop: 23.

FEATURES
            source
1..23
    /organism="Mus musculus"
    /mol_type="genomic DNA"
    /strain="C57BL/6J"
    /db_xref="taxon:10090"
    /clone="UUGC2M0037L01"
    /sex="Male"
    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
    /clone_lib="Mouse 10kb plasmid UUGC1M library"
    /note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (gi|4732114|gb|AF129072.1), a copy-number

```

```

inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

ORIGIN
Query Match      0.7%; Score 15.2; DB 8; Length 23;
Best Local Similarity 85.0%; Pred. No. 9.3e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 686 AGTGTGAGTCCTTCGAGA 705
    |||||
Db 4 AGTGTGATTCCTTCGAGA 23

RESULT 30
BM397341
LOCUS      26 bp mRNA linear EST 17-JAN-2002
DEFINITION
5009-0-31-D02.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION  BM397341
VERSION     BM397341.1 GI:18197394
KEYWORDS    EST.
SOURCE      Tetrahymena thermophila
ORGANISM    Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E.,
Frankel,J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
            Location/Qualifiers
1..26
    /organism="Tetrahymena thermophila"
    /mol_type="mRNA"
    /strain="CU428.1"
    /db_xref="taxon:5911"
    /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
    /note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

FEATURES
            source
1..26
    /organism="Tetrahymena thermophila"
    /mol_type="mRNA"
    /strain="CU428.1"
    /db_xref="taxon:5911"
    /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
    /note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

ORIGIN
Query Match      0.7%; Score 15.2; DB 4; Length 26;
Best Local Similarity 85.0%; Pred. No. 9.4e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 830 GAGACCAGACGACGCGGG 849
    |||||
Db 1 GACAACTGACGACGCGGG 20

RESULT 31
AU264485
LOCUS      27 bp mRNA linear EST 26-APR-2004
DEFINITION
AU264485 VS Dictyostelium discoideum cDNA clone VSD734 5', mRNA
sequence.
ACCESSION  AU264485
VERSION     AU264485.1 GI:20523283
KEYWORDS    EST.
SOURCE      Dictyostelium discoideum
ORGANISM    Dictyostelium discoideum

```

```

Eukaryota; Mycetozoa; Dictyosteliida; Dictyostelium.
1 (bases 1 to 27)
REFERENCE
AUTHORS Urushihara,H., Morio,T., Saito,T., Kohara,Y., Koriki,E., Ochiai,H.,
Maeda,M., Williams,J.G., Takeuchi,I. and Tanaka,Y.
TITLE Analyses of cDNAs from growth and slug stages of Dictyostelium
JOURNAL Nucleic Acids Res. 32 (5), 1647-1653 (2004)
COMMENT Contact: Hideko Urushihara
Institute of Biological Sciences
University of Tsukuba
1-1-1 Tennoudai, Tsukuba, Ibaraki 305-8572, Japan
Tel: 81-298-53-4664
Fax: 81-298-53-6614
Email: hideko@biol.tsukuba.ac.jp.
FEATURES
Location/Qualifiers
1..27
/organism="Dictyostelium discoideum"
/mol_type="mRNA"
/strain="AX4"
/db_xref="taxon:44689"
/clone="VSD734"
/sex="mat A"
/dev_stage="vegetative"
/clone_lib="VS"
ORIGIN
Query Match 0.7%; Score 15.2; DB 1; Length 27;
Best Local Similarity 85.0%; Pred. No. 9.5e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1444 AACATCGCAAGCGGTGCC 1463
| | | | | | | | | | | | | | | | | | | | |
Db 6 AGCATCGCGAGCGCGGCC 25
| | | | | | | | | | | | | | | | | | | | |
RESULT 32
TA264D03P 27 bp DNA linear GSS 13-DEC-2000
LOCUS T. brucei sheared genomic DNA clone 264d03, forward sequence,
DEFINITION Genomic survey sequence.
ACCESSION AL484006
VERSION AL484006.1 GI:11849966
KEYWORDS GSS.
SOURCE Trypanosoma brucei
ORGANISM Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
REFERENCE
AUTHORS Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
Melville,S.E., Rajandream,M.A. and Barrell,B.G.
TITLE Direct Submission
JOURNAL Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
Project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
nh@sanger.ac.uk
COMMENT Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
1..27
/organism="Trypanosoma brucei"
/mol_type="genomic DNA"
/strain="TREU927"
FEATURES
source

```

```

/db_xref="taxon:5691"
/clone="264d03"
ORIGIN
Query Match 0.7%; Score 15.2; DB 9; Length 27;
Best Local Similarity 85.0%; Pred. No. 9.5e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 541 TGCCGCGCATTCGCGGCACC 560
| | | | | | | | | | | | | | | | | | | | |
Db 2 TGCCGCGCCTTCGCGGCAAC 21
| | | | | | | | | | | | | | | | | | | | |
RESULT 33
AA877007/c 28 bp mRNA linear EST 25-MAR-1998
LOCUS ny49h08.s1 NCI CGAP Prl2 Homo sapiens cDNA clone IMAGE:1275135
DEFINITION similar to TR:Q13765 Q13765 NASCENT POLYPEPTIDE ASSOCIATED COMPLEX
ALPHA SUBUNIT.; mRNA sequence.
ACCESSION AA877007
VERSION AA877007.1 GI:2986084
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 28)
REFERENCE
AUTHORS NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL Unpublished (1997)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs@mail.nih.gov
Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D.,
Rodrigo F. Chuqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: David B. Krizman, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www.bio.llnl.gov/bbrp/image/image.html
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
FEATURES
Location/Qualifiers
1..28
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:1275135"
/sex="male"
/tissue_type="metastatic prostate bone lesion"
/lab_host="DH10B"
/clone_lib="NCI CGAP Prl2"
/notes="Vector: pAMP10; mRNA made from metastatic prostate
lesion of the bone, cDNA made by oligo-dT priming.
Non-directionally cloned. Size-selected on agarose gel,
average insert size 600 bp. Library made by D. Krizman,
NIH."
ORIGIN
Query Match 0.7%; Score 15.2; DB 1; Length 28;
Best Local Similarity 71.4%; Pred. No. 9.5e+07;
Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 1635 CAGGCTCTCACTGTACAAAGTGGCGCAGG 1662
| | | | | | | | | | | | | | | | | | | | |
Db 28 CAGACTCCAACCTGTACAGAGAGAGATG 1
| | | | | | | | | | | | | | | | | | | | |
RESULT 34
AI804637/c 28 bp mRNA linear EST 13-DEC-1999
LOCUS tc81h03.x1 NCI-CGAP_C111 Homo sapiens cDNA clone IMAGE:2072597 3'
DEFINITION

```

similar to TR:Q04117 Q04117 SALIVARY PROLINE-RICH PROTEIN RP4
PRECUSOR. ; contains element MSRL repetitive element ; , mRNA
sequence.
VERSION AI804637 GI:5370109
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 28)
NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapsb@mail.nih.gov
M.D., Louis M. Staudt, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CCAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality
Insert Length: 304 Std Error: 0.00
Seq primer: -40UP from Gibco
High quality sequence stop: 1.
Location/Qualifiers
1. .28
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2072597"
/tissue_type="B-cell, chronic lymphocytic leukemia"
/lab_host="DH10B"
/clone_lib="NCI-CCAP CLL1"
/notes="Vector: pT73D-Pac (Pharmacia) with a modified
polylinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDNA
was primed with a Not I - oligo(dT) primer [5',
TGTTACCAATCTCAAGTGGGAGCGGCGGATTCCTTTTCTTTTCTTTT
T 3']; double-stranded cDNA was ligated to Eco RI
adaptors (Pharmacia), digested with Not I and cloned into
the Not I and Eco RI sites of the modified pT73 vector.
Library is normalized, and was constructed by Bento
Soares and M.Fatima Bonaldo."

Query Match 0.7%; Score 15.2; DB 1; Length 28;
Best Local Similarity 71.4%; Pred. No. 9.5e+07;
Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 1563 GCCCCTACTGCTGCTGCGGGGTTGGGG 1590
| | | | | | | | | | | | | | | | | | | | | |
Db 28 GGCCCCCGGGGTTTGGGGGGTGGGG 1

RESULT 35
AZ591936 28 bp DNA linear GSS 13-DEC-2000
LOCUS
DEFINITION 1M0402J20F Mouse 10kb plasmid UGCM library Mus musculus genomic
clone UGCM1M0402J20 F, genomic survey sequence.
ACCESSION AZ591936
VERSION AZ591936.1 GI:11714126
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 28)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausen,A. and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
Plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0402 row: J column: 20
Seq primer: CGTTGTAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 28.
Location/Qualifiers
1. .28
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCM1M0402J20"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCM library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

Query Match 0.7%; Score 15.2; DB 8; Length 28;
Best Local Similarity 85.0%; Pred. No. 9.5e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1042 CTCAGGACCTGGCGATGGC 1061
| | | | | | | | | | | | | | | | | | | | | |
Db 7 CTGAAGGACCTGGATGGC 26

RESULT 36
TA223E04P/c 28 bp DNA linear GSS 13-DEC-2000
LOCUS
DEFINITION T. brucei sheared genomic DNA clone 223e04, forward sequence,
genomic survey sequence.
ACCESSION AL480267
VERSION AL480267.1 GI:11846047
KEYWORDS GSS.
SOURCE Trypanosoma brucei
ORGANISM Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
Trypanosoma.
1 (bases 1 to 28)
Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,

TITLE JOURNAL COMMENT
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0402 row: J column: 20
Seq primer: CGTTGTAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 28.
Location/Qualifiers
1. .28
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCM1M0402J20"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCM library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

Query Match 0.7%; Score 15.2; DB 8; Length 28;
Best Local Similarity 85.0%; Pred. No. 9.5e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1042 CTCAGGACCTGGCGATGGC 1061
| | | | | | | | | | | | | | | | | | | | | |
Db 7 CTGAAGGACCTGGATGGC 26

RESULT 36
TA223E04P/c 28 bp DNA linear GSS 13-DEC-2000
LOCUS
DEFINITION T. brucei sheared genomic DNA clone 223e04, forward sequence,
genomic survey sequence.
ACCESSION AL480267
VERSION AL480267.1 GI:11846047
KEYWORDS GSS.
SOURCE Trypanosoma brucei
ORGANISM Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
Trypanosoma.
1 (bases 1 to 28)
Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,

FEATURES source
1. .28
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCM1M0402J20"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCM library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptor DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptor mouse DNA was annealed to
adaptor vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., Rajandream, M.A. and Barrell, B.G.
 Direct Submission
 Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and nh@sanger.ac.uk
 COMMENT
 Constructed at the Institute for Genomic Research (TIGR), Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 Gutat 10.1) was mechanically sheared to give a tight size distribution (4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. In Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
 Email: nelsayed@tigr.org
 Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
 FEATURES
 source
 1. .28
 /organism="Trypanosoma brucei"
 /mol_type="genomic DNA"
 /strain="TREU927"
 /db_xref="taxon:5691"
 /clone="223e04"
 ORIGIN
 Query Match 0.7%; Score 15.2; DB 9; Length 28;
 Best Local Similarity 85.0%; Pred. No. 9.5e+07;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1294 ATGAAGGGCCGATGACGC 1313
 ||| ||||| |||||
 Db 27 ATGAGGGCCCAATCAGC 8
 RESULT 37
 CR403528/c
 LOCUS
 DEFINITION
 Arabidopsis thaliana T-DNA flanking sequence GK-864A05-025981, genomic survey sequence.
 ACCESSION
 CR403528
 VERSION
 CR403528.1 GI:46944256
 KEYWORDS
 GSS.
 SOURCE
 Arabidopsis thaliana (thale cress)
 ORGANISM
 Arabidopsis thaliana
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
 REFERENCE
 1
 Li, Y., Rosso, M.G., Strizhov, N., Viehoveer, P. and Weisshaar, B. GABI-kat Simplesearch: a flanking sequence tag (FST) database for the identification of T-DNA insertion mutants in Arabidopsis thaliana
 Bioinformatics 19 (11), 1441-1442 (2003)
 JOURNAL
 MEDLINE
 PUBMED
 22755829
 12874060
 REFERENCE
 2
 Rosso, M.G., Li, Y., Strizhov, N., Reiss, B., Dekker, K. and Weisshaar, B.
 An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) for flanking sequence tag-based reverse genetics
 Plant Mol. Biol. 53 (1-2), 247-259 (2003)
 JOURNAL
 MEDLINE
 PUBMED
 23117147
 14756321
 REFERENCE
 3
 Strizhov, N., Li, Y., Rosso, M.G., Viehoveer, P., Dekker, K.A. and Weisshaar, B.
 High-throughput generation of sequence indexes from T-DNA mutagenized Arabidopsis thaliana lines
 Biotechniques 35 (6), 1164-1168 (2003)
 JOURNAL
 PUBMED
 14682050

4 (bases 1 to 30)
 Strizhov, N., Rosso, M.G., Li, Y. and Weisshaar, B.
 Direct Submission
 Submitted (01-MAY-2004) Weisshaar, B., Max-Planck-Institut fuer Zuchtungsforshung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany
 COMMENT
 This sequence has been recovered from the left border of the T-DNA. It indicates an insertion close to or within gene At5g35790. Details on the protocols used for generation of the sequence are described in References 1-3. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at: <http://www.mpiz-koeln.mpg.de/GABI-Kat/>.
 FEATURES
 Location/Qualifiers
 1. .30
 /organism="Arabidopsis thaliana"
 /mol_type="genomic DNA"
 /strain="Columbia 0"
 /db_xref="taxon:3702"
 /clone="GK-864A05-025981"
 /ecotype="Col-0"
 /note="PCR was performed on DNA from Arabidopsis thaliana plants (Ti) which were transformed with the T-DNA from vector pAC161 (GenBank accession number: AJ537514). The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed."
 ORIGIN
 Query Match 0.7%; Score 15.2; DB 9; Length 30;
 Best Local Similarity 71.4%; Pred. No. 9.6e+07;
 Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 QY 515 ACGAGTCCCGGAGAGCCTGAGCTG 542
 ||| ||||| ||||| ||||| |||||
 Db 29 ACAAGTTTCCTGGACATGCTGAGCTG 2
 RESULT 38
 CR888357/c
 LOCUS
 DEFINITION
 Arabidopsis thaliana genomic clone SALK_151745.32.65.n, genomic survey sequence.
 ACCESSION
 CR888357
 VERSION
 CR888357.1 GI:33364906
 KEYWORDS
 GSS.
 SOURCE
 Arabidopsis thaliana (thale cress)
 ORGANISM
 Arabidopsis thaliana
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
 REFERENCE
 1 (bases 1 to 30)
 Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Sinn, P., Zimmerman, J. and Ecker, J.R.
 A Sequence-indexed Library of Insertion Mutations in the Arabidopsis Genome
 Unpublished (2001)
 CONTACT: Joseph R. Ecker
 The Salk Institute for Biological Studies
 10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
 Tel: 858 453 4100 x1752
 Fax: 858 558 6379
 Email: ecker@salk.edu
 This is single pass sequence recovered from the left border of T-DNA. This sequence lies within 300 bases of the 5' end of At3g51240.
 Class: T-DNA tagged.
 Location/Qualifiers

source

1. .30
 /organism="Arabidopsis thaliana"
 /mol_type="genomic DNA"
 /ecoType="Col-0"
 /db_xref="taxon:3702"
 /clone="SALK_151745.32.65.n"
 /clone_lib="Arabidopsis thaliana TDNA insertion lines"
 /notes="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"

ORIGIN

Query Match 0.7%; Score 15.2; DB 9; Length 30;
 Best Local Similarity 71.4%; Pred. No. 9.6e+07;
 Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 615 AACTGTGACGGCTGCGGAGAGAG 642
 |||||
 DB 30 AGCTGTGATGACTGACGACGAGAGG 3

RESULT 39

AZ315824/C
 LOCUS
 DEFINITION
 clone UUGC1M0033011 F, genomic survey sequence.

ACCESSION AZ315824.1

VERSION GI:10363039

KEYWORDS

SOURCE Mus musculus (house mouse)

ORGANISM

Mus musculus
 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus;
 1 (bases 1 to 23)

REFERENCE

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,

Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von

Niederhauser, A., and Wright, D., Weis, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

JOURNAL

COMMENT Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0033 row: 0 column: 11

Seq primer: CGTGTAAACGACGGCCACT

Class: plasmid ends

High quality sequence stop: 23.

FEATURES

source

1. .23
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0033011"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /notes="Vector: pMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male); was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA

was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid p1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 0.7%; Score 15; DB 8; Length 23;
 Best Local Similarity 78.3%; Pred. No. 1e+08;
 Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 125 TGGGGACCAAGCTGGAAGCCAAG 147
 |||||
 DB 23 TGGGAAACATGCTTAAGCAAG 1

RESULT 40

AI453742/C

LOCUS

DEFINITION

clone UUGC1M0033011 F, genomic survey sequence.

ACCESSION AI453742

VERSION GI:4284342

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

1 (bases 1 to 25)

NCI-CCGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index

Unpublished (1997)

Contact: Robert Strausberg, Ph.D.

Email: cgaps-rc@mail.nih.gov

Life Technologies catalog #: 11548-013

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CCGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

www.bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality

Seq primer: -40UP from Gibco

High quality sequence stop: 1.

Location/Qualifiers

1. .25

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:2143928"

/tissue_type="adenocarcinoma"

/lab_host="DH10B"

/clone_lib="NCI-CCGAP Panel"

/note="Organ: pancreas; Vector: pCMV-SORT6; Site 1: Salt;

Site 2: NotI; Cloned unidirectionally. Primer: Oligo dt.

Average insert size 1.72 kb. Life Technologies catalog #:

11548-013"

ORIGIN

Query Match 0.7%; Score 15; DB 1; Length 25;
 Best Local Similarity 78.3%; Pred. No. 1e+06;
 Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 726 CGACGCGTAGAGGCTGAGAAC 748


```

SOURCE
ORGANISM Pristionchus pacificus
Pristionchus pacificus
Eukaryota; Metazoa; Nematoda; Chromadorea; Diplogasterida;
Neodiplogasteridae; Pristionchus.
REFERENCE
1 (bases 1 to 25)
AUTHORS Srinivasan,J., Otto,G.W., Kahlow,U., Geisler,R. and Sommer,R.J.
TITLE AppADB: an AcedB database for the nematode satellite organism
JOURNAL Pristionchus pacificus
COMMENT Nucleic Acids Res. 32 (1), D421-D422 (2004)
Contact: Sommer RJ
Evolutionary Biology
Max-Planck-Institute for Developmental Biology
Spemannstr. 37-39, Tuebingen D-72076, Germany
Tel: 00497071601371
Fax: 00497071601498
Email: ralf.sommer@tuebingen.mpg.de
This library was generated at Caltech, Pasadena, USA and end
sequenced at Vancouver, Canada.
Seq primer: 17
Class: fosmid ends.
FEATURES
source Location/Qualifiers
1..25
/organism="Pristionchus pacificus"
/mol_type="genomic DNA"
/strain="California"
/db_xref="taxon:54126"
/clone_lib="Mixed stage fosmid library of P. pacificus
var. California"
/notes="Vector: pEpifos-5 Fosmid vector"
ORIGIN
Query Match 0.7%; Score 15; DB 9; Length 25;
Best Local Similarity 78.3%; Pred.No. 1e+08;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 2157 CCTCTGCTCAGACACTGTGTGGG 2179
|||||
DB 23 CCTCTGGCGGTATGTGGGG 1
|||||
RESULT 44
CG708385/c
LOCUS 27 bp DNA linear GSS 20-OCT-2003
DEFINITION 1119009A09.2EL.x1 1119 - RescueMu Grid AA Zea mays genomic, genomic
survey sequence.
ACCESSION CG708385
VERSION CG708385.1 GI:37734291
KEYWORDS GSS.
SOURCE Zea mays
ORGANISM Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoidae; Andropogoneae; Zea.
REFERENCE
1 (bases 1 to 27)
AUTHORS Walbot,V.
TITLE Maize genomic sequences found using engineered RescueMu transposon
JOURNAL Unpublished (2001)
COMMENT Contact: Walbot V
Department of Biological Sciences
Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
Possible ligation site of ends cut by 2 different endonucleases.
Reverse complemented post-ligation sequence from source sequence.
Plate: 1119009 row: A column: 09
Class: transposon-tagged.
FEATURES
source Location/Qualifiers
1..27
/organism="Zea mays"
/mol_type="genomic DNA"
/cultivar="mixed background W23/A188/B73/K55"

```

```

/db_xref="taxon:4577"
/tissue_type="leaf"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="1119 - RescueMu Grid AA"
/notes="Organ: leaf; Vector: RescueMu (engineered from
pBluescript backbone); Site:1: BamHI, Site.2: BglII;
RescueMu is a 4.9 Kb, modified maize Mu transposon
designed to allow plasmid rescue from total genomic DNA.
Mu elements insert preferentially into transcription
units. For more information on RescueMu, go to the web
site 'www.zmdb.iastate.edu' and follow the links for
'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA
was extracted from leaf strips, double digested using
BamHI and BglII, and ligated to form circular plasmids.
DH10B cells were transformed and then screened on LB
plates with ampicillin."
ORIGIN
Query Match 0.7%; Score 15; DB 9; Length 27;
Best Local Similarity 78.3%; Pred.No. 1.1e+08;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 917 TCCTGAACCGGGAGGTGGAGAGG 939
|||||
DB 23 TGCTGAACCGGGAACTGGAGAAG 1
|||||
RESULT 45
AU257198/c
LOCUS 29 bp mRNA linear EST 25-APR-2002
DEFINITION AU257198 3'-directed mouse cDNA library Mus musculus cDNA clone
BED0009981 3', mRNA sequence.
ACCESSION AU257198
VERSION AU257198.1 GI:20321583
KEYWORDS EST.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE
1 (bases 1 to 29)
AUTHORS Kato,K. and Matoba,R.
TITLE Generation of expressed sequence tags from mouse brain
JOURNAL Unpublished (2002)
COMMENT Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Fax: 81-743-72-5589
Email: kkatob@is.nara.ac.jp,
URL:http://love2.aist-nara.ac.jp/BED/index.html.
FEATURES
source Location/Qualifiers
1..29
/organism="Mus musculus"
/mol_type="mRNA"
/db_xref="taxon:10090"
/clone="BED000981"
/tissue_type="brain"
/clone_lib="3'-directed mouse cDNA library"
ORIGIN
Query Match 0.7%; Score 15; DB 1; Length 29;
Best Local Similarity 78.3%; Pred.No. 1.1e+08;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1841 CCTTGCTGCTCTGTGCAGTGAAG 1863
|||||
DB 26 CCTTGGTCTCTTGAGAGAGAAG 4
|||||
RESULT 46
C0787079

```


Search completed: November 20, 2004, 09:19:15
Job time : 7062 secs

This Page Blank (uspto)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model
Run on: November 19, 2004, 11:03:31 ; Search time 1077 Seconds
(without alignments)
11025.246 Million cell updates/sec

Title: US-10-067-125-2
Perfect score: 2262
Sequence: 1 gaattccggcgctgcgac.....attaaccattacaatactc 2262

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4134886 seqs, 2624710521 residues
Total number of hits satisfying chosen parameters: 3366436

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 50 summaries

Database : N_Geneseq_23Sep04:*
1: Geneseqn1980s:*
2: Geneseqn1990s:*
3: Geneseqn2000s:*
4: Geneseqn2001as:*
5: Geneseqn2001bs:*
6: Geneseqn2002as:*
7: Geneseqn2002bs:*
8: Geneseqn2003as:*
9: Geneseqn2003bs:*
10: Geneseqn2003cs:*
11: Geneseqn2003ds:*
12: Geneseqn2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		Match	Length	DB ID	Description
		%					
1	26	1.1		27	5	AAD01954	AAD01954. Probe to
C 2	24	1.1		24	12	ADG09448	ADG09448. TNF-alpha
C 3	23	1.0		23	5	AAD01953	AAD01953. 3' RT-PCR
C 4	23	1.0		23	5	AAD02074	AAD02074. 3' PCR pr
C 5	23	1.0		23	12	ADN35561	ADN35561. Human NSC
6	23	1.0		23	12	ADN35560	ADN35560. Human NSC
7	23	1.0		23	2	AAY03321	AAY03321. Forward P
8	23	1.0		30	4	AAD04330	AAD04330. Human TRA
9	22.6	1.0		30	12	ADQ15273	ADQ15273. TRAF2-spe
10	22	1.0		22	12	ADG09447	ADG09447. TNF-alpha
11	21	0.9		21	4	AAY96999	AAY96999. Human gen
12	21	0.9		21	4	AAY62439	AAY62439. TRAF3 pol
13	21	0.9		21	5	AAD01950	AAD01950. Human TRA
C 14	20	0.9		20	3	AAA55539	AAA55539. TRAF2 ant
C 15	20	0.9		20	3	AAA55545	AAA55545. TRAF2 ant
C 16	20	0.9		20	3	AAA55543	AAA55543. TRAF2 ant
C 17	20	0.9		20	3	AAA55537	AAA55537. TRAF2 ant
C 18	20	0.9		20	3	AAA55550	AAA55550. TRAF2 ant
C 19	20	0.9		20	3	AAA55548	AAA55548. TRAF2 ant
C 20	20	0.9		20	3	AAA55549	AAA55549. TRAF2 ant
C 21	20	0.9		20	3	AAA55541	AAA55541. TRAF2 ant

C 22	20	0.9	20	3	AAA55551	AAA55551. TRAF2 ant
C 23	20	0.9	20	3	AAA55555	AAA55555. TRAF2 ant
C 24	20	0.9	20	3	AAA55544	AAA55544. TRAF2 ant
C 25	20	0.9	20	3	AAA55546	AAA55546. TRAF2 ant
C 26	20	0.9	20	3	AAA55554	AAA55554. TRAF2 ant
C 27	20	0.9	20	3	AAA55557	AAA55557. TRAF2 ant
C 28	20	0.9	20	3	AAA55556	AAA55556. TRAF2 ant
C 29	20	0.9	20	3	AAA55538	AAA55538. TRAF2 ant
C 30	20	0.9	20	3	AAA55540	AAA55540. TRAF2 ant
C 31	20	0.9	20	3	AAA55542	AAA55542. TRAF2 ant
C 32	20	0.9	20	3	AAA55536	AAA55536. TRAF2 ant
C 33	20	0.9	20	3	AAA55547	AAA55547. TRAF2 ant
C 34	20	0.9	20	3	AAA55552	AAA55552. TRAF2 ant
C 35	20	0.9	20	3	AAA55553	AAA55553. TRAF2 ant
C 36	20	0.9	20	5	AAD01952	AAD01952. 5' RT-PCR
C 37	20	0.9	28	2	AAY27181	AAY27181. PCR prime
C 38	19.4	0.9	21	5	AAD01951	AAD01951. Human TRA
C 39	19.4	0.9	30	10	ADK82643	ADK82643. LHRH(A) g
C 40	19.4	0.9	30	10	ADK82641	ADK82641. LHRH(M) g
41	19	0.8	19	12	ADM11769	ADM11769. TRAF2 shd
42	19	0.8	19	12	ADQ62132	ADQ62132. Anti-TRAF
43	19	0.8	19	12	ADQ62133	ADQ62133. Anti-TRAF
44	19	0.8	19	12	ADQ62135	ADQ62135. Anti-TRAF
45	19	0.8	19	12	ADQ62134	ADQ62134. Anti-TRAF
C 46	19	0.8	30	3	AAZ89685	AAZ89685. Human ADA
C 47	18.8	0.8	30	2	AAT66316	AAT66316. Oligonuc1
C 48	18.6	0.8	29	6	ABK50863	ABK50863. Cholera t
C 49	18.6	0.8	30	6	ABK70442	ABK70442. In-situ a
50	18.4	0.8	25	9	ACI67643	ACI67643. Human mic

ALIGNMENTS

RESULT 1	
AAD01954	AAD01954 standard; DNA; 27 BP.
ID	AAD01954
AC	AAD01954;
DT	26-MAR-2001 (first entry)
DE	Probe to screen for non-spliced and splice variants of human TRAF2 cDNA.
KW	Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
KW	TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;
KW	TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; probe; vasotropic;
KW	antipsoriatic; antirheumatic; antiarthritic; antidiabetic;
KW	antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
KW	rheumatoid arthritis; graft versus host disease; cardiovascular disease;
KW	non-insulin dependent diabetes; inflammatory bowel disease; stroke;
KW	neurodegenerative disease; cardiant; hybridisation probe; ss.
XX	Homo sapiens.
OS	WO2000066737-A1.
XX	09-NOV-2000.
PF	06-APR-2000; 2000WO-US009178.
XX	30-APR-1999; 99US-0131940P.
PA	(AVET) AVENTIS PHARM PROD INC.
PI	Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;
DR	WPI; 2001-007223/01.
XX	New nucleic acid encoding variants of tumor necrosis factor receptor
PT	associated factors useful for inhibiting tumor necrosis factor alpha-
PT	regulated pathways, and for treating Crohn's disease, psoriasis, and
PT	rheumatoid arthritis.

XX Example 1; Page 40; 74pp; English.

XX The present invention relates to variants of tumour necrosis factor (TNF)

CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice

CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression

CC construct with enhanced dominant negative properties referred as "TRAF2

CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting

CC TNF alpha signalling pathways and for inhibiting diseases involving over

CC production of TNFalpha. TNFalpha pathologies involving hyperactivation of

CC nuclear factor kappa B (NFkB). The variants are also useful for

CC inhibiting and treating inflammatory processes involving TNFalpha such as

CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host

CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and

CC neurodegenerative diseases or cardiovascular disease such as cardiac

CC ischaemia-reperfusion injury following myocardial infarction, coronary

CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion

CC injury in the central nervous system (CNS) following stroke, the

CC development and rupture of advanced coronary atherosclerotic plaques,

CC progression and progression of congestive heart failure, endothelial cell

CC injury following balloon angioplasty, or apoptotic cell death of

CC myocardial cells. The present sequence is a probe used for recognising

CC both non-spliced and splice variants of TRAF2TR (a splice variant of

CC TRAF2) cDNA

XX

SQ Sequence 27 BP; 8 A; 6 C; 9 G; 4 T; 0 U; 0 Other;

Query Match 1.1%; Score 26; DB 5; Length 27;

Best Local Similarity 100.0%; Pred. No. 2.5e+04;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 386 GATGACCTGGAGGGACCTGAAA 411

DB 1 GATGACCTGGAGGGACCTGAAA 26

RESULT 2

ADG09448/c

ID ADG09448 standard; DNA; 24 BP.

XX

AC ADG09448;

XX

DT 26-FEB-2004 (first entry)

XX

DE TNF-alpha-related gene TRAF2 PCR primer SEQ ID NO:16.

XX

KW tumour necrosis factor; TNF; tumour necrosis factor alpha; TNF-alpha;

KW TNF-related gene; TNF-alpha-related gene; cancer; human; PCR primer; ss.

XX

OS Synthetic.

OS Homo sapiens.

XX

FN EPI361433-A2.

XX

PD 12-NOV-2003.

XX

PF 08-APR-2003; 2003EP-00252225.

XX

PR 09-APR-2002; 2002JP-00107126.

XX

PA (HAYB) HAYASHIBARA SETBUTSU KAGAKU.

XX

PI Yanai Y, Yamamoto S, Yamamoto K, Ikegami H;

XX

DR WPI; 2004-055141/06.

XX

PT Estimating therapeutic efficacy of tumor necrosis factor involves

PT evaluating expression level of tumor necrosis factor-related gene in

PT cancer cell.

XX

PS Example 2; SEQ ID NO 16; 56pp; English.

XX

CC The present invention describes a method (M1) for estimating therapeutic

CC efficacy of tumour necrosis factor (TNF). M1 involves evaluating the

CC expression level of a TNF-related gene in a cancer cell. Also described

CC is a kit for estimating the therapeutic efficacy of TNF, which is used in

CC the treatment of cancers. The kit comprises a thermostable DNA polymerase

CC and an oligonucleotide primer comprising a DNA sequence encoding a gene,

CC chosen from a protein kinase B (Akt-1) gene, death receptor (DR3) gene,

CC multidrug resistance-associated protein (MRP5) gene, and multidrug

CC resistance-associated protein (MRP6) gene. The present sequence

CC represents a PCR primer which is used in an example from the present

CC invention.

XX

SQ Sequence 24 BP; 8 A; 6 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 1.1%; Score 24; DB 12; Length 24;

Best Local Similarity 100.0%; Pred. No. 6.9e+04;

Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1223 TGTGTCGCGTATCTACTGAAAG 1246

DB 24 TGTGTCGCGTATCTACTGAAAG 1

RESULT 3

AD01953/c

ID AD01953 standard; DNA; 23 BP.

XX

AC AD01953;

XX

DT 26-MAR-2001 (first entry)

XX

DE 3' RT-PCR primer #2 to determine the tissue distribution of TRAF2TR cDNA.

XX

KW Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;

KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;

KW TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; RT-PCR primer;

KW vasotrophic; antipsoriatic; antirheumatic; antiarthritic; antidiabetic;

KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;

KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;

KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;

KW neurodegenerative disease; cardiac; reverse transcription-PCR; ss.

XX

OS Homo sapiens.

XX

PN WO200066737-A1.

XX

PD 09-NOV-2000.

XX

PF 06-APR-2000; 2000WO-US009178.

XX

PR 30-APR-1999; 99US-0131940P.

XX

PA (AVET) AVENTIS PHARM PROD INC.

XX

PI Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;

XX

DR WPI; 2001-007223/01.

XX

PT New nucleic acid encoding variants of tumor necrosis factor receptor

PT associated factors useful for inhibiting tumor necrosis factor alpha-

PT regulated pathways, and for treating Crohn's disease, psoriasis, and

PT rheumatoid arthritis.

XX

PS Example 1; Page 40; 74pp; English.

XX

CC The present invention relates to variants of tumour necrosis factor (TNF)

CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice

CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression

CC construct with enhanced dominant negative properties referred as "TRAF2

CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting

CC TNF alpha signalling pathways and for inhibiting diseases involving over

CC production of TNFalpha. TNFalpha pathologies involving hyperactivation of

CC nuclear factor kappa B (NFkB). The variants are also useful for

CC inhibiting and treating inflammatory processes involving TNFalpha such as


```
CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
CC neurodegenerative diseases or cardiovascular disease such as cardiac
CC ischaemia-reperfusion injury following myocardial infarction, coronary
CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
CC injury in the central nervous system (CNS) following stroke, the
CC progression and rupture of advanced coronary atherosclerotic plaques,
CC development and progression of congestive heart failure, endothelial cell
CC injury following balloon angioplasty, or apoptotic cell death of
CC myocardial cells. The present sequence is a 3' RT-PCR primer #2 for
CC determining the tissue distribution of TRAF2TR (a splice variant of
CC TRAF2) cDNA
XX
SQ Sequence 23 BP; 4 A; 5 C; 10 G; 4 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 5; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 702 CAGATTCCACGGCATCGGCTGCC 724
Db 23 CAGATTCCACGGCATCGGCTGCC 1

RESULT 4
AAD02074/C
ID AAD02074 standard; DNA; 23 BP.
XX
AC AAD02074;
XX
DT 26-MAR-2001 (first entry)
XX
DE 3' PCR primer for preparing N-myc fusion construct.
XX
KW Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR; TRAF2TD;
KW TRAF2 truncated; antiinflammatory; cardiant; Myc tag; vasotropic;
KW antipsoriatic; antirheumatic; antiarthritic; antidiabetic;
KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;
KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;
KW neurodegenerative disease; congestive heart failure; PCR primer;
KW myocardial infarction; nuclear factor kappa B; NFKB; ss.
XX
OS Homo sapiens.
XX Synthetic.
XX
FN WO200066737-A1.
XX
PD 09-NOV-2000.
XX
PF 06-APR-2000; 2000WO-US009178.
XX
PR 30-APR-1999; 99US-0131940P.
XX
PA (AVET ) AVENTIS PHARM PROD INC.
XX
PI Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;
XX WPI; 2001-007223/01.
XX
PT New nucleic acid encoding variants of tumor necrosis factor receptor
PT associated factors useful for inhibiting tumor necrosis factor alpha-
PT regulated pathways, and for treating Crohn's disease, psoriasis, and
PT rheumatoid arthritis.
XX
PS Example 3; Page 42; 74pp; English.
XX
CC The present invention relates to variants of tumour necrosis factor (TNF)
CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice
CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
CC construct with enhanced dominant negative properties referred as "TRAF2
CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
```

```
CC TNF alpha signalling pathways and for inhibiting diseases involving over
CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of
CC nuclear factor kappa B (NFkB). The variants are also useful for
CC inhibiting and treating inflammatory processes involving TNFalpha such as
CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
CC neurodegenerative diseases or cardiovascular disease such as cardiac
CC ischaemia-reperfusion injury following myocardial infarction, coronary
CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
CC injury in the central nervous system (CNS) following stroke, the
CC progression and rupture of advanced coronary atherosclerotic plaques,
CC development and progression of congestive heart failure, endothelial cell
CC injury following balloon angioplasty, or apoptotic cell death of
CC myocardial cells. The present sequence is a 3' PCR primer for preparing a
CC fusion construct containing N-myc affinity tag as well as truncated and
CC full length TRAF2. N-myc is useful for determining the effect of TRAF2TR
CC on NFKB activation. Truncated as well as full length TRAF2 were
CC constructed with N-myc affinity tags in a mammalian expression vector
CC (pcDNA3). N-myc fusion constructs were prepared using 5' and 3' PCR
CC primers
XX
SQ Sequence 23 BP; 6 A; 7 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 5; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1538 TTGTGGACCTGACAGGCTCTAA 1560
Db 23 TTGTGGACCTGACAGGCTCTAA 1

RESULT 5
ADN35561/C
ID ADN35561 standard; DNA; 23 BP.
XX
AC ADN35561;
XX
DT 01-JUL-2004 (first entry)
XX
DE Human NSCLC gene semi-quantitative PCR primer reverse primer #120.
XX ss; primer; cytostatic; gene therapy; vaccine;
XX non-small cell lung cancer; NSCLC; diagnosis; cancer; URLC1.
XX
OS Homo sapiens.
XX
FN WO2004031413-A2.
XX
PD 15-APR-2004.
XX
PF 22-SEP-2003; 2003WO-JP012072.
XX
PR 30-SEP-2002; 2002US-0414673P.
XX 28-FEB-2003; 2003US-0451374P.
XX 28-APR-2003; 2003US-0466100P.
XX
PA (ONCO-) ONCOTHERAPY SCI INC.
XX (UJTY ) UNIV TOKYO.
XX
PI Nakamura Y, Daigo Y, Nakatsuru S;
XX
DR WPI; 2004-330206/30.
XX
PT Diagnosing, preventing and treating non-small cell lung cancer (NSCLC)
PT comprises determining an expression level of an NSCLC-associated gene in
PT a sample.
XX
PS Disclosure; SEQ ID NO 242; 394pp; English.
XX
CC The invention relates to a method of diagnosing non-small cell lung
CC cancer (NSCLC) or a predisposition to developing NSCLC in a subject by
CC determining the expression level of a NSCLC-associated gene in a
```

CC biological sample derived from the subject, where an increase or decrease
 CC of the level compared to a normal control level of the gene indicates
 CC that the subject suffers from or is at risk of developing NSCLC. The
 CC method is useful in diagnosing NSCLC or a predisposition to developing
 CC NSCLC in a subject. The compound, polynucleotide and the encoded
 CC polypeptide and composition are useful in treating or preventing NSCLC.
 CC This sequence corresponds to a primer for semi-quantitative PCR
 CC amplification of genes that are differentially expressed in NSCLC cells.
 SQ Sequence 23 BP; 4 A; 5 C; 6 G; 8 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 12; Length 23;
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2222 CCAGCTCACGACAGACAGATTAT 2244
 DB 23 CCAGCTCACGACAGACAGATTAT 1

RESULT 6
 ADN35560
 ID ADN35560 standard; DNA; 23 BP.
 XX
 AC ADN35560;
 XX
 DT 01-JUL-2004 (first entry)
 XX
 DE Human NSCLC gene semi-quantitative PCR primer forward primer #120.
 XX
 KW ss; primer; cytostatic; gene therapy; vaccine;
 KW non-small cell lung cancer; NSCLC; diagnosis; cancer; URLC1.
 XX
 OS Homo sapiens.
 XX
 PN WO2004031413-A2.
 XX
 PD 15-APR-2004.
 XX

PF 22-SEP-2003; 2003WO-JP012072.
 XX
 PR 30-SEP-2002; 2002US-0414673P.
 PR 28-FEB-2003; 2003US-0451374P.
 PR 28-APR-2003; 2003US-0466100P.
 XX
 PA (ONCO-) ONCOTHERAPY SCI INC.
 PA (UITY) UNIV TOKYO.
 XX
 PI Nakamura Y, Daigo Y, Nakatsuru S;
 XX
 WI; 2004-330206/30.
 XX
 PT Diagnosing, preventing and treating non-small cell lung cancer (NSCLC)
 PT comprises determining an expression level of an NSCLC-associated gene in
 PT a sample.
 XX
 PS Disclosure; SEQ ID NO 241; 394pp; English.
 XX
 CC The invention relates to a method of diagnosing non-small cell lung
 CC cancer (NSCLC) or a predisposition to developing NSCLC in a subject by
 CC determining the expression level of a NSCLC-associated gene in a
 CC biological sample derived from the subject, where an increase or decrease
 CC of the level compared to a normal control level of the gene indicates
 CC that the subject suffers from or is at risk of developing NSCLC. The
 CC method is useful in diagnosing NSCLC or a predisposition to developing
 CC NSCLC in a subject. The compound, polynucleotide and the encoded
 CC polypeptide and composition are useful in treating or preventing NSCLC.
 CC This sequence corresponds to a primer for semi-quantitative PCR
 CC amplification of genes that are differentially expressed in NSCLC cells.

SQ Sequence 23 BP; 4 A; 6 C; 6 G; 7 T; 0 U; 0 Other;
 Query Match 1.0%; Score 23; DB 12; Length 23;
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 1.2e+05;
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1224 GTGTCTGCTATCTACCTGAACG 1246
 DB 1 GTGTCTGCTATCTACCTGAACG 23

RESULT 7
 AAV03321
 ID AAV03321 standard; DNA; 30 BP.
 XX
 AC AAV03321;
 XX
 DT 15-APR-1998 (first entry)
 XX
 DE Forward PCR primer used to amplify human TRAF2.
 XX

XX Human tumour necrosis factor receptor-associated factor 2; TRAF2;
 KW TRAF-2 binding protein; NF-kappaB activity; NF-kappaB induction;
 KW intracellular signalling activity; acute hepatitis;
 KW autoimmune-induced cell death; PCR primer; ss.
 XX
 OS Synthetic.
 XX
 PN WO9737016-A1.
 XX
 PD 09-OCT-1997.
 XX

PF 01-APR-1997; 97WO-IL000117.
 XX
 PR 02-APR-1996; 96IL-00117800.
 PR 26-AUG-1996; 96IL-00119133.
 XX
 PA (YEDA) YEDA RES & DEV CO LTD.
 XX

PI Wallach D, Malinin N, Boldin M, Kovalenko A, Mett I;
 XX
 WI; 1997-503101/46.
 XX
 DR DNA encoding tumour necrosis factor receptor-associated factor binding
 PT molecule - used for modulation or mediation in cells of the activity of
 PT NF-kB.
 XX

PS Disclosure; Page 50; 127pp; English.
 XX
 CC PCR primers AAV03321-22 were used to amplify human tumour necrosis factor
 CC receptor-associated factor 2 (TRAF2) from a H60 cDNA library. The TRAF2
 CC protein was used to identify proteins capable of binding to it. The TRAF-
 CC 2 binding proteins can be used for modulation or mediation in cells of NF-
 CC kappaB activity or any other intracellular signalling activity modulated
 CC or mediated by TRAF2. TRAF-binding proteins are especially used for
 CC prevention or treatment of pathological conditions associated with NF-
 CC kappaB induction, e.g. acute hepatitis, autoimmune-induced cell death,
 CC e.g. death of the beta Langerhans cells or the pancreas that results in
 CC diabetes, the death of cells in graft rejection, the death of
 CC oligodendrocytes in the brain in multiple sclerosis, and AIDS-inhibited T
 CC cell suicide which causes proliferation of the AIDS virus and hence the
 CC AIDS disease. The proteins are also useful for screening of ligands
 CC capable of binding to a protein, which are useful for modulating cellular
 CC activity modulated/mediated by TRAF2

XX Sequence 30 BP; 6 A; 9 C; 9 G; 6 T; 0 U; 0 Other;
 SQ
 Query Match 1.0%; Score 23; DB 2; Length 30;
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGTAC 74
 DB 8 CTCATGGCTGCAGCTAGCGTAC 30

RESULT 8
AD04330
ID AAD04330 standard; DNA; 30 BP.
XX AC
XX AD04330;
XX DT
XX 04-JUL-2001 (first entry)
XX DE
XX Human TRAF2 forward PCR primer for cloning hTRAF2 from HL60 cDNA library.
XX KW
XX Human; Tumour Necrosis Factor; TNF; TNF Receptor Associated Factor;
XX KW TRAF2; TRAF2 binding protein; IREN; IkappaB Regulator; IREN-10B; IREN-E;
XX KW immunosuppressive; nuclear factor-kappaB; NF-kappaB; cytostatic; tumour;
XX KW AIDS; acquired immune deficiency syndrome; rheumatic disease; apoptosis;
XX KW autoimmune disease; septic shock; graft-vs-host reaction; inflammation;
XX KW anorexia; anti-HIV; therapy; PCR primer; ss.
XX OS
OS Homo sapiens.
XX PN
PN WO200116314-A1.
XX PD
PD 08-MAR-2001.
XX PF
PF 31-AUG-2000; 2000WO-IL000517.
XX PR
PR 02-SEP-1999; 99IL-00131719.
XX PA
PA (YEDA) YEDA RES & DEV CO LTD.
XX PI
PI Wallach D, Malinin N, Sinha I, Leu S;
XX DR
DR WPI; 2001-281387/29.
XX PT
PT New DNA sequence encoding Tumor Necrosis Factor receptor associated
PT factor (TRAF) binding proteins (IREN) for treatment or prevention of
PT pathological conditions associated with NF-kappaB induction.
XX PS
PS Example; Page 51; 118pp; English.
XX CC
CC The present DNA sequence is forward PCR primer which is used for cloning
CC human tumour necrosis factor (TNF) receptor-associated factor (hTRAF2)
CC coding sequence from HL60 cDNA library. This primer corresponds to the
CC coding sequence of hTRAF2 starting from the start codon and including a
CC linker with BamHI site. The invention relates to human tumour necrosis
CC factor (TNF) receptor - associated factor (TRAF2) binding protein
CC designated as IREN (IkappaB Regulator), its isoforms IREN-10B, IREN-E and
CC their corresponding cDNA molecules. IREN is useful for
CC modulating/mediating the activity of transcription factor NF (Nuclear
CC Factor)-kappaB or any other intracellular signalling activity mediated by
CC TRAF2. IREN is useful in the prevention and treatment of a pathological
CC condition associated with NF-kappaB induction (abnormal) e.g. AIDS
CC (acquired immune deficiency syndrome), autoimmune diseases, tumours,
CC rheumatic diseases, anorexia, septic shock and graft-vs-host reactions.
CC IREN also plays an important role in the control of inflammation and
CC other non-apoptotic effects of TNF as well as in the control of
CC apoptosis. The invention also relates to method for screening,
CC identifying and producing a molecule capable of modulating activities
CC mediated by IREN. IREN antibodies are useful for the purification of new
CC proteins from different sources, including cell extracts or transformed
CC cell lines, in addition IREN can be used in diagnostic purposes for
CC identifying disorders related to abnormal functioning of cellular effects
CC mediated directly by TRAF proteins
XX SQ
SQ Sequence 30 BP; 6 A; 9 C; 9 G; 6 T; 0 U; 0 Other;
Query Match 1.0%; Score 23; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 52 CTCATGCGTCAGCTAGCGTGAC 74
Db 8 CTCATGCGTCAGCTAGCGTGAC 30

FT /*tag= a
 FT /standard_name= "single nucleotide polymorphism"

PN WO200138576-A2.

XX

PD 31-MAY-2001.

XX 17-NOV-2000; 2000WO-US031639.

XX 24-NOV-1999; 99US-0167334P.

XX (WHEED) WHITEHEAD INST BIOMEDICAL RES.

XX Cargill M, Ireland JS, Lander ES;

XX WPI; 2001-367705/38.

XX New nucleic acid segments of the human genome, particularly from genes
 PT including polymorphic sites for phenotype correlation, forensics,
 PT paternity testing, medicine and genetic analysis.

XX Claim 1; Page 57; 80pp; English.

XX DNA sequences AAH62100 - AAH62698 represent segments of human genes which
 CC contain single nucleotide polymorphisms (SNPs). A method is included in
 CC the invention for analysing a nucleic acid sample, which consists of
 CC determining the base occupying any one of the polymorphic sites given in
 CC the SNP containing sequences. The nucleotide sequences can be used in the
 CC diagnosis or monitoring of diseases, such as cancer, inflammation, heart
 CC diseases, diseases of the cardiovascular system, and infection by
 CC microorganisms. The oligonucleotides are also useful in the manufacture
 CC of a medicament for the treatment or prophylaxis of the diseases, and as
 CC a pharmaceutical. SNP containing oligonucleotides are useful in
 CC applications such as phenotype correlation, forensics, paternity testing,
 CC medicine and genetic analysis

XX Revised record issued on 09-SEP-2004 : Correction to Reature Table Key

XX Sequence 21 BP; 4 A; 8 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 0.9%; Score 21; DB 4; Length 21;

Best Local Similarity 100.0%; Pred. No. 3.2e+05;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 701 GCAGATTCACGCCATCGGCT 721

DB 1 GCAGATTCACGCCATCGGCT 21

RESULT 13

AA001950

ID AAD01950 standard; DNA; 21 BP.

XX AAD01950;

XX 26-MAR-2001 (first entry)

XX Human TRAF2TR 5' RT-PCR primer #1 used in TRAF2TR cDNA isolation.

XX Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
 XX TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;
 KW TRAF2 truncated-deleted; TRAF2TR; antiinflammatory; RT-PCR primer;
 KW vasotropic; antipsoriatic; antirheumatic; antiarthritis; antidiabetic;
 KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
 KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;
 KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;
 KW neurodegenerative disease; cardiac; reverse transcription-PCR; ss.

XX Homo sapiens.

XX WO200066737-A1.

XX 09-NOV-2000.

PD

XX 06-APR-2000; 2000WO-US009178.

XX 30-APR-1999; 99US-0131940P.

XX (AVET) AVENTIS PHARM PROD INC.

XX Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KU;

XX WPI; 2001-007223/01.

XX New nucleic acid encoding variants of tumor necrosis factor receptor
 PT associated factors useful for inhibiting tumor necrosis factor alpha-
 PT regulated pathways, and for treating Crohn's disease, psoriasis, and
 PT rheumatoid arthritis.

XX Example 1; Page 40; 74pp; English.

XX The present invention relates to variants of tumour necrosis factor (TNF)
 CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice
 CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
 CC construct with enhanced dominant negative properties referred as "TRAF2
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
 CC TNF alpha signalling pathways and for inhibiting diseases involving over
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of
 CC nuclear factor kappa B (NFkB). The variants are also useful for
 CC inhibiting and treating inflammatory processes involving TNFalpha such as
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
 CC neurodegenerative diseases or cardiovascular disease such as cardiac
 CC ischaemia-reperfusion injury following myocardial infarction, coronary
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
 CC injury in the central nervous system (CNS) following stroke, the
 CC progression and rupture of advanced coronary atherosclerotic plaques,
 CC development and progression of congestive heart failure, endothelial cell
 CC injury following balloon angioplasty, or apoptotic cell death of
 CC myocardial cells. The present sequence is a 5' RT-PCR primer #1 for
 CC isolating cDNA encoding TRAF2TR (a splice variant of TRAF2)

XX Sequence 21 BP; 4 A; 6 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 0.9%; Score 21; DB 5; Length 21;

Best Local Similarity 100.0%; Pred. No. 3.2e+05;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 55 ATGGCTGCAGCTAGCGTGACC 75

DB 1 ATGGCTGCAGCTAGCGTGACC 21

RESULT 14

AAAS5539/c

ID AAAS5539 standard; DNA; 20 BP.

XX AAAS5539;

XX 30-AUG-2000 (first entry)

XX TRAF2 antisense oligonucleotide ISIS# 16830.

XX Tumour necrosis factor receptor-associated factor; TRAF; human;
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;
 KW anti-inflammatory; E-selectin; jun kinase; ss.

XX Synthetic.

XX WO200020435-A1.

XX 13-APR-2000.

XX 05-OCT-1999; 99WO-US023171.

XX 06-OCT-1998; 98US-00167109.

PR

XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;
XX PS WPI; 2000-303732/26.
XX DR

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS
XX PS Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumor
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 5 A; 6 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGTAGCGT 71
Db 20 CTCATGGCTGCAGTAGCGT 1

RESULT 15
AAA55545/c
ID AAA55545 standard; DNA; 20 BP.
AC AAA55545;
XX 30-AUG-2000 (first entry)
XX TRAF2 antisense oligonucleotide ISIS# 16836.
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX WO200020435-A1.
XX 13-APR-2000.
XX 05-OCT-1999; 99WO-US023171.
XX 06-OCT-1998; 98US-00167109.
XX (ISIS-) ISIS PHARM INC.
XX Baker BF, Cowsert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.

PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF), useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumor
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 2 A; 9 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGAGCACGAGTGCAGTG 770
Db 20 CAGGAGCACGAGTGCAGTG 1

RESULT 16
AAA55543/c
ID AAA55543 standard; DNA; 20 BP.
AC AAA55543;
XX 30-AUG-2000 (first entry)
XX TRAF2 antisense oligonucleotide ISIS# 16834.
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX WO200020435-A1.
XX 13-APR-2000.
XX 05-OCT-1999; 99WO-US023171.
XX 06-OCT-1998; 98US-00167109.
XX (ISIS-) ISIS PHARM INC.
XX Baker BF, Cowsert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX necrosis factor receptor-associated factor (TRAF), useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496

CC -A55757) which are targeted to nucleic acids encoding a human tumour
 CC necrosis factor receptor-associated factor (TRAF). The antisense
 CC sequences comprise at least one modified internucleotide linkage, which
 CC is a phosphorothioate linkage. The oligonucleotides also include at least
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
 CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human
 CC TRAF1-6. Included in the invention is a method for treating a human
 CC having a disease associated with the expression of TRAF comprising
 CC administering an antisense oligonucleotide. The reduction of jun kinase
 CC activation in cells comprises contacting the cells with an antisense
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
 CC selectin expression in cells or tissues comprises contacting the cells or
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
 CC The antisense oligonucleotides have antiproliferative and anti-
 CC inflammatory activity and are useful for treating disorders associated
 CC with cell proliferation and inflammation. The antisense oligonucleotides
 CC may also be used as a diagnostic probe for studying gene function
 XX
 SQ Sequence 20 BP; 1 A; 8 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 576 CGTGAAGGCGCACCGAGG 595
 |||||
 DB 20 CGTGAAGGCGCACCGAGG 1

RESULT 17
 AAA5537/c
 ID AAA5537 standard; DNA; 20 BP.
 AC AAA5537;
 XX
 XX 30-AUG-2000 (first entry)
 DT
 DE TRAF2 antisense oligonucleotide ISIS# 16828.
 XX

KW Tumour necrosis factor receptor-associated factor; TRAF; human;
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;
 KW anti-inflammatory; E-selectin; jun kinase; ss.
 XX

OS Synthetic.

PN WO200020435-A1.

XX 13-APR-2000.

XX 05-OCT-1999; 99WO-US023171.

XX 06-OCT-1998; 98US-00167109.

XX (ISIS-) ISIS PHARM INC.

XX Baker BF, Cowsett LM, Monia BP, Xu XS;

XX WPI; 2000-303732/26.

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
 PT necrosis factor receptor-associated factor (TRAF), useful for treating
 PT diseases associated with TRAF expression such as inflammatory diseases.

PS Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496
 CC -A55757) which are targeted to nucleic acids encoding a human tumour
 CC necrosis factor receptor-associated factor (TRAF). The antisense
 CC sequences comprise at least one modified internucleotide linkage, which
 CC is a phosphorothioate linkage. The oligonucleotides also include at least
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
 CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human
 CC TRAF1-6. Included in the invention is a method for treating a human

CC having a disease associated with the expression of TRAF comprising
 CC administering an antisense oligonucleotide. The reduction of jun kinase
 CC activation in cells comprises contacting the cells with an antisense
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
 CC selectin expression in cells or tissues comprises contacting the cells or
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
 CC The antisense oligonucleotides have antiproliferative and anti-
 CC inflammatory activity and are useful for treating disorders associated
 CC with cell proliferation and inflammation. The antisense oligonucleotides
 CC may also be used as a diagnostic probe for studying gene function
 XX
 SQ Sequence 20 BP; 3 A; 9 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGCGCTGCGACCGTTGG 26
 |||||
 DB 20 CGGCGCGCTGCGACCGTTGG 1

RESULT 18
 AAA5550/c
 ID AAA5550 standard; DNA; 20 BP.
 XX
 AC AAA5550;
 XX
 XX 30-AUG-2000 (first entry)
 DT
 DE TRAF2 antisense oligonucleotide ISIS# 16841.
 XX

KW Tumour necrosis factor receptor-associated factor; TRAF; human;
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;
 KW anti-inflammatory; E-selectin; jun kinase; ss.
 XX

OS Synthetic.

PN WO200020435-A1.

XX 13-APR-2000.

XX 05-OCT-1999; 99WO-US023171.

XX 06-OCT-1998; 98US-00167109.

XX (ISIS-) ISIS PHARM INC.

XX Baker BF, Cowsett LM, Monia BP, Xu XS;

XX WPI; 2000-303732/26.

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
 PT necrosis factor receptor-associated factor (TRAF), useful for treating
 PT diseases associated with TRAF expression such as inflammatory diseases.

PS Example 16; Page 52; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496
 CC -A55757) which are targeted to nucleic acids encoding a human tumour
 CC necrosis factor receptor-associated factor (TRAF). The antisense
 CC sequences comprise at least one modified internucleotide linkage, which
 CC is a phosphorothioate linkage. The oligonucleotides also include at least
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
 CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human
 CC TRAF1-6. Included in the invention is a method for treating a human
 CC having a disease associated with the expression of TRAF comprising
 CC administering an antisense oligonucleotide. The reduction of jun kinase
 CC activation in cells comprises contacting the cells with an antisense
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
 CC selectin expression in cells or tissues comprises contacting the cells or
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
 CC The antisense oligonucleotides have antiproliferative and anti-

CC inflammatory activity and are useful for treating disorders associated
 CC with cell proliferation and inflammation. The antisense oligonucleotides
 CC may be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 4 A; 7 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;

Best Local Similarity 100.0%; Pred. No. 5.4e+05; Mismatches 0; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1533 GGCCATTGTGACCTGACAG 1552
 DB 20 GGCCATTGTGACCTGACAG 1

RESULT 19

AAA55548/c

ID AAA55548 standard; DNA; 20 BP.

XX

XX AAA55548;

AC

XX 30-AUG-2000 (first entry)

XX

XX TRAF2 antisense oligonucleotide ISIS# 16839.

XX

XX Tumour necrosis factor receptor-associated factor; TRAF; human;

XX antisense oligonucleotide; phosphorothioate; antiproliferative;

XX anti-inflammatory; E-selectin; jun kinase; ss.

XX Synthetic.

XX WO200020435-A1.

XX

XX 13-APR-2000.

XX

XX 05-OCT-1999; 99WO-US023171.

XX

XX 06-OCT-1998; 98US-00167109.

XX

XX (ISIS-) ISIS PHARM INC.

XX

XX Baker BF, Cowsett LM, Monia BP, Xu XS;

XX

XX WPI; 2000-303732/26.

XX

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor

XX necrosis factor receptor-associated factor (TRAF); useful for treating

XX diseases associated with TRAF expression such as inflammatory diseases.

XX Example 16; Page 51; 170pp; English.

XX

XX The present invention relates to antisense oligonucleotides (see AAA55496

XX -A55757) which are targeted to nucleic acids encoding a human tumor

XX necrosis factor receptor-associated factor (TRAF). The antisense

XX sequences comprise at least one modified internucleotide linkage, which

XX is a phosphorothioate linkage. The oligonucleotides also include at least

XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.

XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human

XX TRAF1-6. Included in the invention is a method for treating a human

XX having a disease associated with the expression of TRAF comprising

XX administering an antisense oligonucleotide. The reduction of jun kinase

XX activation in cells comprises contacting the cells with an antisense

XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-

XX selectin expression in cells or tissues comprises contacting the cells or

XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.

XX The antisense oligonucleotides have antiproliferative and anti-

XX inflammatory activity and are useful for treating disorders associated

XX with cell proliferation and inflammation. The antisense oligonucleotides

XX may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 1 A; 8 C; 7 G; 4 T; 0 U; 0 Other;

XX

XX Query Match 0.9%; Score 20; DB 3; Length 20;

XX Best Local Similarity 100.0%; Pred. No. 5.4e+05;

XX Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 5.4e+05;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1240 CTGAACGGCGACGCCGCG 1259

DB 20 CTGAACGGCGACGCCGCG 1

RESULT 20

AAA55549/c

ID AAA55549 standard; DNA; 20 BP.

XX

XX AAA55549;

AC

XX 30-AUG-2000 (first entry)

XX

XX TRAF2 antisense oligonucleotide ISIS# 16840.

XX

XX Tumour necrosis factor receptor-associated factor; TRAF; human;

XX antisense oligonucleotide; phosphorothioate; antiproliferative;

XX anti-inflammatory; E-selectin; jun kinase; ss.

XX Synthetic.

XX WO200020435-A1.

XX

XX 13-APR-2000.

XX

XX 05-OCT-1999; 99WO-US023171.

XX

XX 06-OCT-1998; 98US-00167109.

XX

XX (ISIS-) ISIS PHARM INC.

XX

XX Baker BF, Cowsett LM, Monia BP, Xu XS;

XX

XX WPI; 2000-303732/26.

XX

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor

XX necrosis factor receptor-associated factor (TRAF); useful for treating

XX diseases associated with TRAF expression such as inflammatory diseases.

XX Example 16; Page 51; 170pp; English.

XX

XX The present invention relates to antisense oligonucleotides (see AAA55496

XX -A55757) which are targeted to nucleic acids encoding a human tumor

XX necrosis factor receptor-associated factor (TRAF). The antisense

XX sequences comprise at least one modified internucleotide linkage, which

XX is a phosphorothioate linkage. The oligonucleotides also include at least

XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.

XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human

XX TRAF1-6. Included in the invention is a method for treating a human

XX having a disease associated with the expression of TRAF comprising

XX administering an antisense oligonucleotide. The reduction of jun kinase

XX activation in cells comprises contacting the cells with an antisense

XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-

XX selectin expression in cells or tissues comprises contacting the cells or

XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.

XX The antisense oligonucleotides have antiproliferative and anti-

XX inflammatory activity and are useful for treating disorders associated

XX with cell proliferation and inflammation. The antisense oligonucleotides

XX may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 3 A; 6 C; 8 G; 3 T; 0 U; 0 Other;

XX

XX Query Match 0.9%; Score 20; DB 3; Length 20;

XX Best Local Similarity 100.0%; Pred. No. 5.4e+05;

XX Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1387 GACGCTTCAGGCCGCGGT 1406

DB 20 GACGCTTCAGGCCGCGGT 1


```
RESULT 21
AAA55541/c
ID AAA55541 standard; DNA; 20 BP.
XX
XX
AC AAA55541;
XX
XX 30-AUG-2000 (first entry)
XX
XX TRAF2 antisense oligonucleotide ISIS# 16832.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; Jun Kinase; ss.
XX
XX Synthetic.
XX
XX WO200020435-A1.
XX
XX 13-APR-2000.
XX
XX 05-OCT-1999; 99WO-US023171.
XX
XX 06-OCT-1998; 98US-00167109.
XX
XX (ISIS-) ISIS PHARM INC.
XX
XX Baker BF, Cowsett LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF); useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX
XX Example 16; Page 51; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumour
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of Jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function
XX
XX Sequence 20 BP; 2 A; 11 C; 4 G; 3 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 348 GGAGGTGGAGAGCTGCCGG 367
Db 20 GGAGGTGGAGAGCTGCCGG 1
RESULT 22
AAA55551/c
ID AAA55551 standard; DNA; 20 BP.
XX
XX
AC AAA55551;
XX
XX 30-AUG-2000 (first entry)
XX
XX TRAF2 antisense oligonucleotide ISIS# 16842.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; Jun Kinase; ss.
XX
XX Synthetic.
XX
XX WO200020435-A1.
XX
XX 13-APR-2000.
XX
XX 05-OCT-1999; 99WO-US023171.
XX
XX 06-OCT-1998; 98US-00167109.
XX
XX (ISIS-) ISIS PHARM INC.
XX
XX Baker BF, Cowsett LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF); useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX
XX Example 16; Page 52; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumour
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of Jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function
XX
XX Sequence 20 BP; 2 A; 11 C; 4 G; 3 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1590 GGCAGCCAGGCACAGCCGGC 1609
Db 20 GGCAGCCAGGCACAGCCGGC 1
RESULT 23
AAA55555/c
ID AAA55555 standard; DNA; 20 BP.
XX
XX
AC AAA55555;
XX
XX 30-AUG-2000 (first entry)
XX
XX TRAF2 antisense oligonucleotide ISIS# 16846.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; Jun Kinase; ss.
```

```

XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX TR Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF), useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 52; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumor
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 3 A; 7 C; 8 G; 2 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1994 GGCTCTCTGCTGCCAGAGC 2013
DB 20 GGCTCTCTGCTGCCAGAGC 1
RESULT 24
AAA55544/c
ID AAA55544 standard; DNA; 20 BP.
XX AC AAA55544;
XX AC AAA55546;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16835.
XX KW Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.

```

```

PF 05-OCT-1999; 99WO-US023171.
XX 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX TR Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF), useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 51; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumor
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 675 GACTTGTGGCAAGTGTGAG 694
DB 20 GACTTGTGGCAAGTGTGAG 1
RESULT 25
AAA55546/c
ID AAA55546 standard; DNA; 20 BP.
XX AC AAA55546;
XX AC AAA55546;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16837.
XX KW Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;

```

XX WPI; 2000-303732/26.
 XX
 PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
 PT necrosis factor receptor-associated factor (TRAF), useful for treating
 PT diseases associated with TRAF expression such as inflammatory diseases.
 XX
 PS Example 16; Page 51; 170pp; English.
 XX
 CC The present invention relates to antisense oligonucleotides (see AAA55496
 CC -A55757) which are targeted to nucleic acids encoding a human tumour
 CC necrosis factor receptor-associated factor (TRAF). The antisense
 CC sequences comprise at least one modified internucleotide linkage, which
 CC is a phosphorothioate linkage. The oligonucleotides also include at least
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
 CC TRAF1-6. Included in the invention is a method for treating a human
 CC administering an antisense oligonucleotide. The reduction of jun kinase
 CC activation in cells comprises contacting the cells with an antisense
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
 CC selectin expression in cells or tissues comprises contacting the cells or
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
 CC The antisense oligonucleotides have antiproliferative and anti-
 CC inflammatory activity and are useful for treating disorders associated
 CC with cell proliferation and inflammation. The antisense oligonucleotides
 CC may also be used as a diagnostic probe for studying gene function
 XX
 SQ Sequence 20 BP; 3 A; 8 C; 5 G; 4 T; 0 U; 0 Other;
 Query Match 0.9%; Score 20; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 848 GGTCTCAGCTCTCTGCAGAG 867
 DB 20 GGTCTCAGCTCTCTGCAGAG 1
 RESULT 26
 AAA55554/C
 ID AAA55554 standard; DNA; 20 BP.
 XX
 AC AAA55554;
 XX
 DT 30-AUG-2000 (first entry)
 XX
 DE TRAF2 antisense oligonucleotide ISIS# 16845.
 XX
 KW Tumour necrosis factor receptor-associated factor; TRAF; human;
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;
 KW anti-inflammatory; E-selectin; jun kinase; ss.
 XX
 OS Synthetic.
 XX
 PN WO200020435-A1.
 XX
 PD 13-APR-2000.
 XX
 PF 05-OCT-1999; 99WO-US023171.
 XX
 PR 06-OCT-1998; 98US-00167109.
 XX
 PA (ISIS-) ISIS PHARM INC.
 XX
 PI Baker BF, Cowseert LM, Monia BP, Xu XS;
 XX
 DR WPI; 2000-303732/26.
 XX
 CC Antisense oligonucleotides targeted to nucleic acids encoding human tumor
 PT necrosis factor receptor-associated factor (TRAF), useful for treating
 PT diseases associated with TRAF expression such as inflammatory diseases.
 XX

PS Example 16; Page 52; 170pp; English.
 XX
 CC The present invention relates to antisense oligonucleotides (see AAA55496
 CC -A55757) which are targeted to nucleic acids encoding a human tumour
 CC necrosis factor receptor-associated factor (TRAF). The antisense
 CC sequences comprise at least one modified internucleotide linkage, which
 CC is a phosphorothioate linkage. The oligonucleotides also include at least
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
 CC TRAF1-6. Included in the invention is a method for treating a human
 CC administering an antisense oligonucleotide. The reduction of jun kinase
 CC activation in cells comprises contacting the cells with an antisense
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
 CC selectin expression in cells or tissues comprises contacting the cells or
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
 CC The antisense oligonucleotides have antiproliferative and anti-
 CC inflammatory activity and are useful for treating disorders associated
 CC with cell proliferation and inflammation. The antisense oligonucleotides
 CC may also be used as a diagnostic probe for studying gene function
 XX
 SQ Sequence 20 BP; 3 A; 6 C; 5 G; 6 T; 0 U; 0 Other;
 Query Match 0.9%; Score 20; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1916 CCATGTAGCAGGACACAGT 1935
 DB 20 CCATGTAGCAGGACACAGT 1
 RESULT 27
 AAA55557/C
 ID AAA55557 standard; DNA; 20 BP.
 XX
 AC AAA55557;
 XX
 DT 30-AUG-2000 (first entry)
 XX
 DE TRAF2 antisense oligonucleotide ISIS# 16848.
 XX
 KW Tumour necrosis factor receptor-associated factor; TRAF; human;
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;
 KW anti-inflammatory; E-selectin; jun kinase; ss.
 XX
 OS Synthetic.
 XX
 PN WO200020435-A1.
 XX
 PD 13-APR-2000.
 XX
 PF 05-OCT-1999; 99WO-US023171.
 XX
 PR 06-OCT-1998; 98US-00167109.
 XX
 PA (ISIS-) ISIS PHARM INC.
 XX
 PI Baker BF, Cowseert LM, Monia BP, Xu XS;
 XX
 DR WPI; 2000-303732/26.
 XX
 CC Antisense oligonucleotides targeted to nucleic acids encoding human tumor
 PT necrosis factor receptor-associated factor (TRAF), useful for treating
 PT diseases associated with TRAF expression such as inflammatory diseases.
 XX
 PS Example 16; Page 52; 170pp; English.
 XX
 CC The present invention relates to antisense oligonucleotides (see AAA55496
 CC -A55757) which are targeted to nucleic acids encoding a human tumour
 CC necrosis factor receptor-associated factor (TRAF). The antisense
 CC sequences comprise at least one modified internucleotide linkage, which
 CC is a phosphorothioate linkage. The oligonucleotides also include at least
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
 CC TRAF1-6. Included in the invention is a method for treating a human
 CC administering an antisense oligonucleotide. The reduction of jun kinase
 CC activation in cells comprises contacting the cells with an antisense
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
 CC selectin expression in cells or tissues comprises contacting the cells or
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
 CC The antisense oligonucleotides have antiproliferative and anti-
 CC inflammatory activity and are useful for treating disorders associated
 CC with cell proliferation and inflammation. The antisense oligonucleotides
 CC may also be used as a diagnostic probe for studying gene function
 XX

CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AA55490-A55495 represent nucleotide sequences encoding human
CC TRAF-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function
XX
SQ Sequence 20 BP; 2 A; 5 C; 6 G; 7 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2221 TCCAGCTCAGAGACAGAG 2240
DB 20 TCCAGCTCAGAGACAGAG 1

RESULT 28
AAA55556/c
ID AAA55556 standard; DNA; 20 BP.
XX
AC AAA55556;
XX
DT 30-AUG-2000 (first entry)
XX
DE TRAF2 antisense oligonucleotide ISIS# 16847.
XX
KW Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; jun kinase; ss.
XX
OS Synthetic.
XX
PN WO200020435-A1.
XX
PD 13-APR-2000.
XX
PF 05-OCT-1999; 99WO-US023171.
XX
PR 06-OCT-1998; 98US-00167109.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Baker BF, Cowsett LM, Monia BP, Xu XS;
XX
DR WPI; 2000-303732/26.
XX
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX necrosis factor receptor-associated factor (TRAF), useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX
PS Example 16; Page 52; 170pp; English.
XX
CC The present invention relates to antisense oligonucleotides (see AA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumour
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function

CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function
XX
SQ Sequence 20 BP; 5 A; 9 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2117 CTGGCCAGGCTGGCTGTGG 2136
DB 20 CTGGCCAGGCTGGCTGTGG 1

RESULT 29
AAA55538/c
ID AAA55538 standard; DNA; 20 BP.
XX
AC AAA55538;
XX
DT 30-AUG-2000 (first entry)
XX
DE TRAF2 antisense oligonucleotide ISIS# 16829.
XX
KW Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; jun kinase; ss.
XX
OS Synthetic.
XX
PN WO200020435-A1.
XX
PD 13-APR-2000.
XX
PF 05-OCT-1999; 99WO-US023171.
XX
PR 06-OCT-1998; 98US-00167109.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Baker BF, Cowsett LM, Monia BP, Xu XS;
XX
DR WPI; 2000-303732/26.
XX
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX necrosis factor receptor-associated factor (TRAF), useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX
PS Example 16; Page 51; 170pp; English.
XX
CC The present invention relates to antisense oligonucleotides (see AA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumour
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function

```
SQ Sequence 20 BP; 5 A; 6 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTCCAGCTCTCATGGCTG 61
DB 20 GGTCCAGCTCTCATGGCTG 1

RESULT 30
AAA55540/c
ID AAA55540 standard; DNA; 20 BP.
XX
XX AAA55540;
AC
XX 30-AUG-2000 (first entry)
DT
XX
XX TRAF2 antisense oligonucleotide ISIS# 16831.
DE
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; jun kinase; ss.
XX
XX Synthetic.
OS
XX WO200020435-A1.
XX PN
XX 13-APR-2000.
XX PD
XX 05-OCT-1999; 99WO-US023171.
XX PF
XX 06-OCT-1998; 98US-00167109.
XX PR
XX (ISIS-) ISIS PHARM INC.
XX PA
XX Baker BF, Cowsett LM, Monia BP, Xu XS;
XX PI WPI; 2000-303732/26.
XX DR
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF), useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX
XX Example 16; Page 51; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumour
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function.
XX
XX Sequence 20 BP; 4 A; 7 C; 7 G; 2 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTTCCAGGCGCAGTGTGC 204

SQ Sequence 20 BP; 5 A; 6 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTGCCACGAGGCGCGTGC 441
DB 20 GCTGCCACGAGGCGCGTGC 1

RESULT 32
AAA55536/c
ID AAA55536 standard; DNA; 20 BP.
XX
XX CCTTCCAGGCGCAGTGTGC 1
```

```

XX AAA55536;
XX 30-AUG-2000 (first entry)
XX TRAF2 antisense oligonucleotide ISIS# 16827.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX WO200020435-A1.
XX 13-APR-2000.
XX 05-OCT-1999; 99WO-US023171.
XX 06-OCT-1998; 98US-00167109.
XX (ISIS-) ISIS PHARM INC.
XX Baker BF, Cowseert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX necrosis factor receptor-associated factor (TRAF), useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX Example 16; Page 51; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumour
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA5490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function
XX
XX Sequence 20 BP; 3 A; 7 C; 7 G; 3 T; 0 U; 0 Other;
XX
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAATTCGGCGCGCTGGCAC 20
DB 20 GAATTCGGCGCGCTGGCAC 1

RESULT 33
ID AAA55547/c
XX AAA55547 standard; DNA; 20 BP.
XX AC AAA55547;
XX 30-AUG-2000 (first entry)
XX TRAF2 antisense oligonucleotide ISIS# 16838.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX WO200020435-A1.

```

```

KW Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX WO200020435-A1.
XX 13-APR-2000.
XX 05-OCT-1999; 99WO-US023171.
XX 06-OCT-1998; 98US-00167109.
XX (ISIS-) ISIS PHARM INC.
XX Baker BF, Cowseert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX necrosis factor receptor-associated factor (TRAF), useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX Example 16; Page 51; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumour
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA5490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function
XX
XX Sequence 20 BP; 1 A; 8 C; 8 G; 3 T; 0 U; 0 Other;
XX
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 962 GCAGCGCGCGACCGCGCTG 981
DB 20 GCAGCGCGCGACCGCGCTG 1

RESULT 34
ID AAA55552/c
XX AAA55552 standard; DNA; 20 BP.
XX AC AAA55552;
XX 30-AUG-2000 (first entry)
XX TRAF2 antisense oligonucleotide ISIS# 16843.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX WO200020435-A1.

```

```

XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BP, Cowsett LM, Monia BP, Xu XS;
XX DR WPI; 2000-303732/26.
XX XX
XX PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 52; 170pp; English.
XX XX
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumor
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 U; 0 Other;
XX
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e-05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1685 GGCTGCGGCTGCAGCCAG 1704
DB 20 GGTGCGGCTGCAGCCAG 1
XX
RESULT 35
AAA5553/c
ID AAA5553 standard; DNA; 20 BP.
XX
XX AAA55553;
XX AC
XX 30-AUG-2000 (first entry)
XX DT
XX TRAF2 antisense oligonucleotide ISIS# 16844.
XX DE
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX KW anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX OS
XX WO200020435-A1.
XX PN
XX 13-APR-2000.
XX PD
XX 05-OCT-1999; 99WO-US023171.
XX PF
XX 06-OCT-1998; 98US-00167109.
XX PR
XX PA (AVET ) AVENTIS PHARM PROD INC.
XX PI
XX DR
XX XX

```

```

PA (ISIS-) ISIS PHARM INC.
XX Baker BP, Cowsett LM, Monia BP, Xu XS;
XX DR WPI; 2000-303732/26.
XX XX
XX PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 52; 170pp; English.
XX XX
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumor
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 5 A; 10 C; 4 G; 1 T; 0 U; 0 Other;
XX
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1789 GGCTGTGTCGTCATTGCCG 1808
DB 20 GGCTGTGTCGTCATTGCCG 1
XX
RESULT 36
AAD01952
ID AAD01952 standard; DNA; 20 BP.
XX
XX AAD01952;
XX AC
XX 26-MAR-2001 (first entry)
XX DT
XX 5' RT-PCR primer #2 to determine the tissue distribution of TRAF2TR cDNA.
XX DE
XX Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
XX KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;
XX KW TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; RT-PCR primer;
XX KW vasotropic; antipsoriatic; antirheumatic; antiarthritic; antidiabetic;
XX KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
XX KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;
XX KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;
XX KW neurodegenerative disease; cardiant; reverse transcription-PCR; ss.
XX OS Homo sapiens.
XX OS
XX WO200066737-A1.
XX PN
XX 09-NOV-2000.
XX PD
XX 06-APR-2000; 2000WO-US009178.
XX PF
XX 30-APR-1999; 99US-0131940P.
XX PR
XX (AVET ) AVENTIS PHARM PROD INC.
XX PA
XX

```

```

PI Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;
XX WPI; 2001-007223/01.
XX
XX New nucleic acid encoding variants of tumor necrosis factor receptor
PT associated factors useful for inhibiting tumor necrosis factor alpha-
PT regulated pathways, and for treating Crohn's disease, psoriasis, and
PT rheumatoid arthritis.
XX
XX Example 1; Page 40; 74pp; English.
XX
XX The present invention relates to variants of tumor necrosis factor (TNF)
CC receptor associated factor (TRAF2). TRAF2 has two variants, a splice
CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
CC construct with enhanced dominant negative properties referred as "TRAF2
CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
CC TNF alpha signalling pathways and for inhibiting diseases involving over
CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of
CC nuclear factor kappa B (NFkB). The variants are also useful for
CC inhibiting and treating inflammatory processes involving TNFalpha such as
CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
CC neurodegenerative diseases or cardiovascular disease such as cardiac
CC ischaemia-reperfusion injury following myocardial infarction, coronary
CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
CC injury in the central nervous system (CNS) following stroke, the
CC progression and rupture of advanced coronary atherosclerotic plaques,
CC development and progression of congestive heart failure, endothelial cell
CC injury following balloon angioplasty, or apoptotic cell death of
CC myocardial cells. The present sequence is a 5' RT-PCR primer #2 for
CC determining the tissue distribution of TRAF2TR (a splice variant of
CC TRAF2) cDNA
XX
XX Sequence 20 BP; 2 A; 6 C; 10 G; 2 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 351 GGTGGAGAGCGCTCGCGCCG 370
Db 1 GGTGGAGAGCGCTCGCGCCG 20
|||||
RESULT 37
AAV27181/c
ID AAV27181 standard; DNA; 28 BP.
XX
XX Homo sapiens.
AC AAV27181;
XX
XX 17-SEP-1998 (first entry)
DT
XX
XX PCR primer B9 for G-protein coupled receptor coding sequence.
DE
XX
XX G-protein coupled receptor; gene therapy; abnormality detection;
KW short form; human; PCR primer; ss.
XX
XX Synthetic.
OS
XX Homo sapiens.
XX
XX EP845529-A2.
PN
XX
XX 03-JUN-1998.
PD
XX
XX 27-OCT-1997; 97EP-00308562.
PF
XX
XX 29-OCT-1996; 96JP-00286923.
PR
XX
XX (TAKE ) TAKEDA CHEM IND LTD.
PA
XX
XX Hinuma S, Fukusumi S, Kawamata Y;
PI
XX WPI; 1998-288746/26.
DR
XX
XX New human G-protein coupled receptor protein - and corresponding DNA,
PT ligands, antibodies, etc.
XX
XX Example 1; Page 25; 65pp; English.
XX
XX This sequence represents a PCR primer used to isolate DNA encoding a
CC human G-protein coupled receptor of the invention. The protein or cells
CC expressing the DNA encoding it can be used to screen for agonists or
CC antagonists of the receptor, which can be used as drugs for treating
CC various diseases (none disclosed). The DNA can also be used for practice
CC drug design based on comparisons with structurally analogous ligands and
CC receptors. DNA encoding the protein can be used for gene therapy for
CC diseases caused by a deficiency of the receptor. The DNA can also be used
CC to detect abnormalities in the gene encoding the receptor. The protein or
CC fragment can be used to determine levels of receptor ligands in vivo. The
CC antibody can be used in assays to detect the protein
XX
XX Sequence 28 BP; 10 A; 3 C; 13 G; 2 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 2; Length 28;
Best Local Similarity 82.1%; Pred. No. 5.9e+05;
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 213 CTGCTCTTCTGCTGCTGCCGACGATCCTC 240
Db 28 CTGCTACTTCTGCTGCCGATCCTCTTC 1
|||||
RESULT 38
AAD01951/c
ID AAD01951 standard; DNA; 21 BP.
XX
XX Homo sapiens.
AC AAD01951;
XX
XX 26-MAR-2001 (first entry)
DT
XX
XX Human TRAF2TR 3' RT-PCR primer #1 used in TRAF2TR cDNA isolation.
DE
XX
XX Human; tumor necrosis factor; TNF; TRAF2; inhibitor; treatment;
KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;
KW TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; RT-PCR primer;
KW vasotropic; antipsoriatic; antirheumatic; antiarthritic; antidiabetic;
KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;
KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;
KW neurodegenerative disease; cardiac; reverse transcription-PCR; ss.
XX
XX Homo sapiens.
OS
XX
XX WO2000066737-A1.
PN
XX
XX 09-NOV-2000.
PD
XX
XX 06-APR-2000; 2000WO-US009178.
PF
XX
XX 30-APR-1999; 99US-0131940P.
PR
XX
XX (AVET ) AVENTIS PHARM PROD INC.
PA
XX
XX Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;
PI
XX WPI; 2001-007223/01.
XX
XX New nucleic acid encoding variants of tumor necrosis factor receptor
PT associated factors useful for inhibiting tumor necrosis factor alpha-
PT regulated pathways, and for treating Crohn's disease, psoriasis, and
PT rheumatoid arthritis.
XX
XX Example 1; Page 40; 74pp; English.
XX
XX The present invention relates to variants of tumor necrosis factor (TNF)
CC receptor associated factor (TRAF2). TRAF2 has two variants, a splice
CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
CC construct with enhanced dominant negative properties referred as "TRAF2
CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
CC TNF alpha signalling pathways and for inhibiting diseases involving over
CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of
CC nuclear factor kappa B (NFkB). The variants are also useful for
CC inhibiting and treating inflammatory processes involving TNFalpha such as
CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
CC neurodegenerative diseases or cardiovascular disease such as cardiac
CC ischaemia-reperfusion injury following myocardial infarction, coronary
CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
CC injury in the central nervous system (CNS) following stroke, the
CC progression and rupture of advanced coronary atherosclerotic plaques,
CC development and progression of congestive heart failure, endothelial cell
CC injury following balloon angioplasty, or apoptotic cell death of
CC myocardial cells. The present sequence is a 5' RT-PCR primer #2 for
CC determining the tissue distribution of TRAF2TR (a splice variant of
CC TRAF2) cDNA
XX
XX Sequence 20 BP; 2 A; 6 C; 10 G; 2 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 351 GGTGGAGAGCGCTCGCGCCG 370
Db 1 GGTGGAGAGCGCTCGCGCCG 20
|||||
RESULT 37
AAV27181/c
ID AAV27181 standard; DNA; 28 BP.
XX
XX Homo sapiens.
AC AAV27181;
XX
XX 17-SEP-1998 (first entry)
DT
XX
XX PCR primer B9 for G-protein coupled receptor coding sequence.
DE
XX
XX G-protein coupled receptor; gene therapy; abnormality detection;
KW short form; human; PCR primer; ss.
XX
XX Synthetic.
OS
XX Homo sapiens.
XX
XX EP845529-A2.
PN
XX
XX 03-JUN-1998.
PD
XX
XX 27-OCT-1997; 97EP-00308562.
PF
XX
XX 29-OCT-1996; 96JP-00286923.
PR
XX
XX (TAKE ) TAKEDA CHEM IND LTD.
PA
XX
XX Hinuma S, Fukusumi S, Kawamata Y;
PI
XX WPI; 1998-288746/26.
DR

```


CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
 CC construct with enhanced dominant negative properties referred as "TRAF2
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
 CC TNF alpha signalling pathways and for inhibiting diseases involving over
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of
 CC nuclear factor kappa B (NFkB). The variants are also useful for
 CC inhibiting and treating inflammatory processes involving TNFalpha such as
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
 CC neurodegenerative diseases or cardiovascular disease such as cardiac
 CC ischaemia-reperfusion injury following myocardial infarction, coronary
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
 CC injury in the central nervous system (CNS) following stroke, the
 CC progression and rupture of advanced coronary atherosclerotic plaques,
 CC development and progression of congestive heart failure, endothelial cell
 CC injury following balloon angioplasty, or apoptotic cell death of
 CC myocardial cells. The present sequence is a 3' RT-PCR primer #1 used for
 CC isolating cDNA encoding TRAF2TR (a splice variant of TRAF2). This 3'
 CC primer is also useful for preparing TRAF2TD variant using TRAF2TR cDNA as
 CC template

XX
 SQ Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 0.9%; Score 19.4; DB 5; Length 21;
 Best Local Similarity 95.2%; Pred. No. 7.5e+05;
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1540 GTGGACCTGACAGGGCTCTAA 1560
 DB |||||
 21 GTGGACCTGACAGGGCTCTAA 1

RESULT 39

ID ADK82643
 ID ADK82643 standard; DNA; 30 BP.

XX
 AC ADK82643;

DT 06-MAY-2004 (first entry)

DE LHRH(A) gene vaccine construction oligonucleotide L1.

XX ss; gene vaccine; farm animal; castration; LHRH;
 KW luteinising hormone releasing hormone; fowl; coliform bacteria.

XX Unidentified.

XX CN1384200-A.

PD 11-DEC-2002.

PF 13-MAR-2002; 2002CN-00103725.

XX 13-MAR-2002; 2002CN-00103725.

PA (DUNN/) DU N.

XX Du N, Li G;

DR WPI; 2003-290678/29.

XX Genetically engineered body of farm animal castration gene vaccine (DNA
 PT vaccine).

XX Disclosure; Page 7; 20pp; Chinese.

XX The invention relates to the construction of a gene vaccine for farm
 CC animal castration which includes artificial synthesis of livestock-type
 CC LHRH(M) gene and fowl-type LHRH(A) gene and construction of PBS-LHRH
 CC plasmid; slicing HBS segment from pWR-HBS plasmid and inserting into PBS-
 CC LHRH plasmid to constitute PBS-HBS/LHRH plasmid. These are used to
 CC convert coliform bacteria to constitute the gene engineering antibody
 CC Escherichia coli-pCDNA3.1-HBs/LHRH(M) and E.coli-pCDNA3.1-HBs/LHRH(A).

CC This sequence constitutes an oligonucleotide used to generate the LHRH(A)
 CC construct for the gene vaccine.

SQ Sequence 30 BP; 7 A; 8 C; 8 G; 7 T; 0 U; 0 Other;

Query Match 0.9%; Score 19.4; DB 10; Length 30;
 Best Local Similarity 79.3%; Pred. No. 8.3e+05;
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 232 AGCATCTCAGCTCTGGGCTCAGAACTG 260

DB |||||
 2 AGGATCTCAGCACTGGTCTATGGACTG 30

RESULT 40

ADK82641

ID ADK82641 standard; DNA; 30 BP.

XX AC ADK82641;

DT 06-MAY-2004 (first entry)

DE LHRH(M) gene vaccine construction oligonucleotide L1.

XX ss; gene vaccine; farm animal; castration; LHRH;
 KW luteinising hormone releasing hormone; fowl; coliform bacteria.

XX Unidentified.

XX CN1384200-A.

PD 11-DEC-2002.

PF 13-MAR-2002; 2002CN-00103725.

XX 13-MAR-2002; 2002CN-00103725.

PA (DUNN/) DU N.

XX Du N, Li G;

DR WPI; 2003-290678/29.

XX Genetically engineered body of farm animal castration gene vaccine (DNA
 PT vaccine).

XX Disclosure; Page 7; 20pp; Chinese.

XX The invention relates to the construction of a gene vaccine for farm
 CC animal castration which includes artificial synthesis of livestock-type
 CC LHRH(M) gene and fowl-type LHRH(A) gene and construction of PBS-LHRH
 CC plasmid; slicing HBS segment from pWR-HBS plasmid and inserting into PBS-
 CC LHRH plasmid to constitute PBS-HBS/LHRH plasmid. These are used to
 CC convert coliform bacteria to constitute the gene engineering antibody
 CC Escherichia coli-pCDNA3.1-HBs/LHRH(M) and E.coli-pCDNA3.1-HBs/LHRH(A).

CC This sequence constitutes an oligonucleotide used to generate the LHRH(M)
 CC construct for the gene vaccine.

SQ Sequence 30 BP; 7 A; 8 C; 8 G; 7 T; 0 U; 0 Other;

Query Match 0.9%; Score 19.4; DB 10; Length 30;
 Best Local Similarity 79.3%; Pred. No. 8.3e+05;
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 232 AGCATCTCAGCTCTGGGCTCAGAACTG 260

DB |||||
 2 AGGATCTCAGCACTGGTCTATGGACTG 30

RESULT 41

ADM11769

ID ADM11769 standard; RNA; 19 BP.

XX

```
AC ADM11769;
XX
XX
DT 17-JUN-2004 (first entry)
XX
XX TRAF2 short interfering RNA oligonucleotide sense strand.
DE
XX
XX antigen presenting cell; short interfering RNA; siRNA; p50 subunit;
XX NF-kappaB; tumour necrosis factor receptor associated factor 3;
XX TNF-receptor associated factor 3; c-Rel subunit; NF-kappaB;
XX immunosuppressive; anti-inflammatory; dermatological; antiarthritic;
XX antirheumatic; neuroprotective; antidiabetic; thyrominetic; muscular;
XX autoimmune disease; systemic lupus erythematosus; rheumatoid arthritis;
XX multiple sclerosis; insulin-dependent diabetes mellitus;
XX Hashimoto's thyroiditis; myasthenia gravis; ss.
XX
XX Synthetic.
OS
XX
XX WO2004027063-A1.
XX
XX
XX 01-APR-2004.
XX
XX 19-SEP-2002; 2002WO-EP012636.
XX
XX 19-SEP-2002; 2002WO-EP012636.
XX
XX (INRM ) INSERM INST NAT SANTE & RECH MEDICALE.
XX (GENE-) GENETHON III.
XX (INSR ) INST ROUSSY GUSTAVE.
XX
XX Galy A, Laderach D, Compagno D;
XX
XX WPI; 2004-295420/27.
XX
XX Obtaining isolated or cultured antigen presenting cells, useful in
XX treating or preventing a disease, e.g. autoimmune diseases, comprises
XX introducing in the cells siRNA directed against the target gene.
XX
XX Example 2; SEQ ID NO 6; 31pp; English.
XX
XX The present invention describes a method for obtaining isolated or
XX cultured antigen presenting cells where the expression of one or more
XX target gene(s) is down-regulated. The method comprises introducing in the
XX cells short interfering RNA (siRNA) oligonucleotides directed against the
XX target gene(s). Also described: (1) a siRNA directed against a target
XX gene, e.g. a gene encoding the p50 subunit of NF-kappaB, tumour necrosis
XX factor (TNF)-receptor associated factor 3 or c-Rel subunit of NF-kappaB;
XX (2) an expression vector containing a DNA template for a siRNA of (1);
XX (3) a antigen-presenting cell obtainable by the method above; (4) a
XX method of producing T lymphocytes that fail to produce IFN-gamma; and (5)
XX a pharmaceutical composition comprising an antigen-presenting cell of (3)
XX and activated T lymphocytes obtainable by the method of (4). The siRNAs
XX have immunosuppressive, antiinflammatory, dermatological, antiarthritic,
XX antirheumatic, neuroprotective, antidiabetic, thyrominetic and muscular
XX activities. The siRNA or expression vector is useful in preparing an
XX immunosuppressive therapeutic composition. The method is useful in
XX obtaining isolated or cultured antigen presenting cells. The method and
XX composition is useful in treating or preventing a disease, e.g.
XX autoimmune diseases like systemic lupus erythematosus, rheumatoid
XX arthritis, multiple sclerosis, insulin-dependent diabetes mellitus,
XX Hashimoto's thyroiditis or myasthenia gravis. The present sequence
XX represents a siRNA oligonucleotide which is used in the exemplification
XX of the present invention.
XX
XX Sequence 19 BP; 6 A; 5 C; 6 G; 0 T; 2 U; 0 Other;
XX
XX Query Match 0.8%; Score 19; DB 12; Length 19;
XX Best Local Similarity 89.5%; Pred.No. 9e-05;
XX Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
XX
XX 412 GAATACGAGAGCTGCCACG 430
XX |||:|||||:|||||
XX 1 GAAUACGAGAGCTGCCACG 19
XX
XX
XX Query Match 0.8%; Score 19; DB 12; Length 19;
XX Best Local Similarity 78.9%; Pred.No. 9e-05;
XX Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
XX
XX 2231 GAAGACAGAGTATTAAAC 2249
XX |||:|||||:|||||
XX 1 GAAGACAGAGTATTAAAC 19
XX
XX
XX RESULT 43
XX ADQ62133
```

```
ID ADQ62133 standard; RNA; 19 BP.
XX
XX AC
XX ADQ62133;
XX
XX DT
XX DE
XX 09-SEP-2004 (first entry)
XX
XX DE Anti-TRAF2 siRNA SEQ ID NO:1835.
XX
XX ss; siRNA; gene silencing; Bcl-2; optimised; short interfering RNA;
XX RNA interference.
XX
XX OS Synthetic.
XX
XX PN WO2004045543-A2.
XX
XX PD 03-JUN-2004.
XX
XX PF 14-NOV-2003; 2003WO-US036787.
XX
XX PD 03-JUN-2004.
XX
XX PF 14-NOV-2003; 2003WO-US036787.
XX
XX PR 14-NOV-2002; 2002US-0426137P.
XX
XX PR 10-SEP-2003; 2003US-0502050P.
XX
XX PA (DHAR-) DHARMA CON INC.
XX
XX PI Anastasia K, Angela R, Devin L, William M, Stephen S;
XX WPI; 2004-420527/39.
XX
XX DR
XX
XX PT Selecting siRNA by selecting an siRNA molecule of 19-25 nucleoside bases
XX by selecting a target gene and measuring the functionality of the
XX nucleotide sequences that are complementary to a stretch of nucleotides
XX of the target sequence.
XX
XX PS Example 12; SEQ ID NO 1835; 199pp; English.
XX
XX CC The invention relates to a novel method for selecting siRNA (short
XX interfering RNA) comprising selecting an siRNA molecule of 19-25
XX nucleoside bases by selecting a target gene and measuring the
XX functionality of sequences of 19-25 nucleotides in length that are
XX substantially complementary to a stretch of nucleotides of the target
XX sequence, where the functionality is dependent upon non-target specific
XX criteria. Also claimed are methods for gene-silencing, developing an
XX siRNA algorithm for selecting hyperfunctional siRNA, an siRNA molecule
XX effective at silencing Bcl-2, and a kit for gene silencing comprising the
XX siRNA. The siRNA molecule comprises a sequence substantially similar to a
XX sequence consisting of GCGAGUAGUGAUGAAGUA; GAAGUACUCCAUUAAG;
XX GUACGACACCGGAGUA; AGAUAGUAGUGAUGAAGUA; UGAGUACUCUCUCAGUUU;
XX CAUGGCGCCUCUGUUGA; and GAAGACUCUCUCAGUUU. The siRNA molecule
XX comprises a sense strand and an anti-sense strand. The siRNA molecule
XX pairs. The kit comprises at least two siRNA, comprising a first optimised
XX siRNA and a second optimised siRNA. The method is useful in selecting
XX siRNA for generating a gene silencing reagent. The present sequence is
XX used in the exemplification of the invention.
XX
XX SQ Sequence 19 BP; 7 A; 3 C; 4 G; 0 T; 5 U; 0 Other;
XX
XX Query Match 0.8%; Score 19; DB 12; Length 19;
XX Best Local Similarity 73.7%; Pred. No. 9e+05;
XX Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 2227 TCACGAAGACAGAGTTATT 2245
XX :|||||
XX Db 1 UCACGAAGACAGAGUUUU 19
XX
XX RESULT 44
XX ADQ62135
XX ID ADQ62135 standard; RNA; 19 BP.
XX
XX XX
XX AC ADQ62135;
```

```
XX 09-SEP-2004 (first entry)
XX
XX DE Anti-TRAF2 siRNA SEQ ID NO:1837.
XX
XX KW ss; siRNA; gene silencing; Bcl-2; optimised; short interfering RNA;
XX RNA interference.
XX
XX OS Synthetic.
XX
XX PN WO2004045543-A2.
XX
XX PD 03-JUN-2004.
XX
XX PF 14-NOV-2003; 2003WO-US036787.
XX
XX PR 14-NOV-2002; 2002US-0426137P.
XX
XX PR 10-SEP-2003; 2003US-0502050P.
XX
XX PA (DHAR-) DHARMA CON INC.
XX
XX PI Anastasia K, Angela R, Devin L, William M, Stephen S;
XX WPI; 2004-420527/39.
XX
XX DR
XX
XX PT Selecting siRNA by selecting an siRNA molecule of 19-25 nucleoside bases
XX by selecting a target gene and measuring the functionality of the
XX nucleotide sequences that are complementary to a stretch of nucleotides
XX of the target sequence.
XX
XX PS Example 12; SEQ ID NO 1837; 199pp; English.
XX
XX CC The invention relates to a novel method for selecting siRNA (short
XX interfering RNA) comprising selecting an siRNA molecule of 19-25
XX nucleoside bases by selecting a target gene and measuring the
XX functionality of sequences of 19-25 nucleotides in length that are
XX substantially complementary to a stretch of nucleotides of the target
XX sequence, where the functionality is dependent upon non-target specific
XX criteria. Also claimed are methods for gene-silencing, developing an
XX siRNA algorithm for selecting hyperfunctional siRNA, an siRNA molecule
XX effective at silencing Bcl-2, and a kit for gene silencing comprising the
XX siRNA. The siRNA molecule comprises a sequence substantially similar to a
XX sequence consisting of GCGAGUAGUGAUGAAGUA; GAAGUACUCCAUUAAG;
XX GUACGACACCGGAGUA; AGAUAGUAGUGAUGAAGUA; UGAGUACUCUCUCAGUUU;
XX CAUGGCGCCUCUGUUGA; and GAAGACUCUCUCAGUUU. The siRNA molecule
XX comprises a sense strand and an anti-sense strand. The siRNA molecule
XX pairs. The kit comprises at least two siRNA, comprising a first optimised
XX siRNA and a second optimised siRNA. The method is useful in selecting
XX siRNA for generating a gene silencing reagent. The present sequence is
XX used in the exemplification of the invention.
XX
XX SQ Sequence 19 BP; 8 A; 3 C; 4 G; 0 T; 4 U; 0 Other;
XX
XX Query Match 0.8%; Score 19; DB 12; Length 19;
XX Best Local Similarity 78.9%; Pred. No. 9e+05;
XX Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 2228 CACGAAGACAGAGTTATTA 2246
XX :|||||
XX Db 1 CACGAAGACAGAGUUUA 19
XX
XX RESULT 45
XX ADQ62134
XX ID ADQ62134 standard; RNA; 19 BP.
XX
XX AC ADQ62134;
XX
XX DT 09-SEP-2004 (first entry)
XX
```

```
DE Anti-TRAF2 siRNA SEQ ID NO:1836.
XX
KW ss; siRNA; gene silencing; Bcl-2; optimised; short interfering RNA;
KW RNA interference.
XX
XX Synthetic.
XX
XX WO2004045543-A2.
XX
XX 03-JUN-2004.
XX
XX 14-NOV-2003; 2003WO-US036787.
XX
XX 14-NOV-2002; 2002US-0426137P.
XX
XX 10-SEP-2003; 2003US-0502050P.
XX
XX (DHAR-) DHARMACON INC.
XX
XX Anastasia K, Angela R, Devin L, William M, Stephen S;
XX
XX WPI; 2004-420527/39.
XX
XX Selecting siRNA by selecting an siRNA molecule of 19-25 nucleoside bases
XX by selecting a target gene and measuring the functionality of the
XX nucleotide sequences that are complementary to a stretch of nucleotides
XX of the target sequence.
XX
XX Example 12; SEQ ID NO 1836; 199pp; English.
XX
XX The invention relates to a novel method for selecting siRNA (short
XX interfering RNA) comprising selecting an siRNA molecule of 19-25
XX nucleoside bases by selecting a target gene and measuring the
XX functionality of sequences of 19-25 nucleotides in length that are
XX substantially complementary to a stretch of nucleotides of the target
XX sequence, where the functionality is dependent upon non-target specific
XX criteria. Also claimed are methods for gene-silencing, developing an
XX siRNA algorithm for selecting siRNA, selecting an siRNA with improved
XX functionality, selecting hyperfunctional siRNA, an siRNA molecule
XX effective at silencing Bcl-2, and a kit for gene silencing comprising the
XX siRNA. The siRNA molecule comprises a sequence substantially similar to a
XX sequence consisting of GGGAGAUGAUGAUGAUAU; GAGAGACUCUCGACAGUU;
XX GUAGACAAACCGGAGUA; AGAUGAUGAUGAUGAUAU; GAGAGACUCUCGACAGUA;
XX GAUGGCGCUCUGUUGA; UCGGCGCUCUGUUGAUAU; GAGAUGAUGAUGAUAU;
XX GAGAUGAUGAUGAUAU; and GAGACUCUCGACAGUU. The siRNA molecule
XX comprises a sense strand and an anti-sense strand. The siRNA molecule
XX comprises a hairpin. The siRNA molecule comprises between 18 and 30 base
XX pairs. The kit comprises at least two siRNA, comprising a first optimised
XX siRNA and a second optimised siRNA. The method is useful in selecting
XX siRNA for generating a gene silencing reagent. The present sequence is
XX used in the exemplification of the invention.
XX
XX Sequence 19 BP; 9 A; 3 C; 3 G; 0 T; 4 U; 0 Other;
XX
XX Query Match 0.8%; Score 19; DB 12; Length 19;
XX Best Local Similarity 78.9%; Pred. No. 9e+05;
XX Matches 15; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
XX
XX 2233 AGACAGAGTATTAAACCA 2251
XX |||||:|:|:|:|:|
XX 1 AGACAGAGUUAUUAACCA 19
XX
XX RESULT 46
XX AAZ89685/C
XX ID AAZ89685 standard; DNA; 30 BP.
XX
XX AC AAZ89685;
XX
XX 28-JUN-2000 (first entry)
XX
XX Human ADAM DNA PCR primer #10.
XX
XX ADAM protein; human; A disintegrin and metalloprotease; diagnosis;
XX
```

```
KW drug development; intervertebral hernia; sciatica; pulmonary fibrosis;
KW diabetic nephropathy; hepatic fibrosis; glomerulitis; osteopetrosis;
XX PCR primer; ss.
XX
XX Homo sapiens.
XX
XX WO200014227-A1.
XX
XX 16-MAR-2000.
XX
XX 02-SEP-1999; 99WO-JP004766.
XX
XX 03-SEP-1998; 98JP-00250115.
XX
XX (TAKE ) TAKEDA CHEM IND LTD.
XX
XX Yoshimura K, Hikichi Y, Nishimura A;
XX
XX WPI; 2000-271056/23.
XX
XX Novel protein belong to A disintegrin and metalloprotease family, with
XX protease activity and extracellular matrix digesting enzyme activity, for
XX gene diagnosis and developing drugs for treating e.g. sciatica and
XX glomerulitis.
XX
XX Example 2; Page 104; 109pp; Japanese.
XX
XX This invention describes a novel human protein (I) which belongs to the
XX ADAM (A disintegrin and metalloprotease) protein family. The protein,
XX peptide fragment and antibody are useful for gene diagnosis and in the
XX development of drugs to prevent or treat intervertebral hernia, sciatica,
XX glomerulitis, diabetic nephropathy, hepatic fibrosis, pulmonary fibrosis
XX or osteopetrosis. AAZ89675-28982 represent PCR primer used to amplify
XX the human ADAM protein which is described in the method of the invention
XX
XX Sequence 30 BP; 8 A; 7 C; 7 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 0.8%; Score 19; DB 3; Length 30;
XX Best Local Similarity 81.5%; Pred. No. 1e+06;
XX Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
XX
XX 703 AGATTCCACGCCCATCGGCTGCCTCGAG 729
XX |||||:|:|:|:|:|
XX 27 AGATTCCAAGTCATGCTTCTCTCGAG 1
XX
XX RESULT 47
XX AAAT66316
XX ID AAAT66316 standard; DNA; 30 BP.
XX
XX AC AAAT66316;
XX
XX 13-MAR-1998 (first entry)
XX
XX Oligonucleotide from clone 10 from cell intrusion experiment.
XX
XX Fusion protein; surface; bacterial cell; peptide library; aggregate;
XX screening; diagnosis; treatment; autoimmune disease; cancer; ss.
XX
XX Synthetic.
XX
XX WO9706264-A1.
XX
XX 20-FEB-1997.
XX
XX 05-AUG-1996; 96WO-JP002196.
XX
XX 04-AUG-1995; 95JP-00199745.
XX
XX (SUME ) SUMITOMO ELECTRIC IND CO.
XX
XX Shimbara N, Saya H;
XX
```

DR WPI; 1997-154269/14.
DR P-PSDB; AAW00940.
XX Bacterial peptide library expressing cell invasive protein on the cell
PT surface - bonded to a random target protein which is thus introduced to
PT target cells.
XX
PS Disclosure; Page 45; 86pp; Japanese.
XX
CC Escherichia coli was introduced into VAL3 to obtain a cell intrusion E.
CC coli. This was carried out using ESPBL. 22 clones were selected from this
CC and plasmid extracted. DNA sequencing was carried out by Taq cycle
CC sequencing. The invention concerns a fusion protein which presents at the
CC surface of bacterial cells transformed with DNA coding for the fusion
CC protein. Bacterium exhibiting the fused protein on its surface are used
CC to produce a bacterial peptide library which is an aggregate of such
CC bacteria. The bacterial peptide library is useful in identification of
CC target proteins having a desired biochemical activity in target cells,
CC for diagnosis or treatment of diseases such as autoimmune diseases and
CC cancer. The bacterial library readily reproduces and is relatively
CC stable, without significant change or denaturation during preservation
XX
SQ Sequence 30 BP; 7 A; 2 C; 19 G; 2 T; 0 U; 0 Other;
Query Match 0.8%; Score 18.8; DB 2; Length 30;
Best Local Similarity 76.7%; Pred. No. 1.1e+06;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 742 GAGAAACAGCAGGAGCAGGAGGTCAGTGG 771
|||||
Db 1 GAGAGCGGGAGGAGGATGAGTGCAGGGG 30
RESULT 48
ABK50863/c
ID ABK50863 standard; DNA; 29 BP.
XX
AC ABK50863;
AT 30-JUL-2002 (first entry)
DT
XX Cholera toxin A sub-unit (CtxA1), reverse PCR primer.
DE
XX Co-expression DNA vaccine; antibacterial; antiviral; antiparasitic;
KW immunostimulant; vaccine; immune response; systemic tolerance;
KW Tat-mediated immune deviation; PCR; primer; ss.
XX
OS Vibrio cholerae.
XX
XX WO200219968-A2.
XX
XX 14-MAR-2002.
XX
XX 10-SEP-2001; 2001WO-US028365.
XX
XX 08-SEP-2000; 2000US-0231070P.
PR 08-SEP-2000; 2000US-0231376P.
PR 08-SEP-2000; 2000US-0231403P.
PR 08-SEP-2000; 2000US-0231449P.
XX
XX (UYMA-) UNIV MARYLAND BIOTECHNOLOGY INST.
PA
XX Hone D, Lewis G, Fouts T, Bagley K, Boyson M, Obriecht C;
PI Shata M, Agwale S;
XX
XX WPI; 2002-383031/41.
XX
XX Co-expression DNA vaccines comprising an antigen-encoding region and a
PT biologically active component-encoding region, useful as vaccines against
PT viral, bacterial and parasitic pathogens, or for enhancing immune
PT responses.
XX
XX Example 6; Page 51; 108pp; English.
PS

XX The invention describes a new DNA vaccine comprising a region encoding an
CC antigen component and a region encoding at least one biologically active
CC component such as adjuvants, immunoregulatory peptides and proteins,
CC antisense RNAs, and catalytic RNAs. The co-expression DNA vaccines are
CC useful for vaccinating animals against viral, bacterial and parasitic
CC pathogens, for enhancing immune responses, for inducing systemic
CC tolerance, and for treating and/or preventing Tat-mediated immune
CC deviation. The co-expression DNA vaccines are capable of inducing
CC significantly stronger immune responses against vaccine antigens than
CC conventional DNA vaccines, and are also capable of inducing systemic
CC tolerance. This sequence represents a PCR primer used to isolate DNA
CC encoding the cholera toxin sub-unit A (CtxA1), an immunoregulatory
CC molecule useful in the co-expression DNA vaccines described in the
CC invention
XX
SQ Sequence 29 BP; 4 A; 7 C; 12 G; 6 T; 0 U; 0 Other;
Query Match 0.8%; Score 18.6; DB 6; Length 29;
Best Local Similarity 84.0%; Pred. No. 1.2e+06;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1440 CATGAACATCCGACGCGCTGCCCC 1464
|||||
Db 25 CAAGATCATCGTAAGCGCGCGCCCC 1
RESULT 49
ABK70442
ID ABK70442 standard; DNA; 30 BP.
XX
AC ABK70442;
AT 15-JUL-2002 (first entry)
DT
XX
DE In-situ analysis synthetic probe #10.
XX
XX Human; oligonucleotide label-domain; CMV; cytomegalovirus; EBV;
KW Epstein-Barr virus; lambda-immunoglobulin light chain; hapten;
KW kappa-immunoglobulin light chain; repetitive Alu sequence; EBER;
KW Epstein-Barr early RNA; probe; ss.
XX
OS Synthetic.
XX
XX WO200222874-A2.
XX
XX 21-MAR-2002.
XX
XX 06-SEP-2001; 2001WO-US028014.
PF
XX 15-SEP-2000; 2000US-0233177P.
PR
XX (VENT-) VENTANA MEDICAL SYSTEMS INC.
PA
XX Utermohlen JG, Connaughton J;
PI
XX WPI; 2002-371972/40.
DR
XX Novel oligonucleotide label-domain for incorporation into oligonucleotide
PT probes useful for detecting or localizing nucleic acid target genes
PT within a cell or tissue sample.
PT
XX Disclosure; Page 59; 71pp; English.
PS
XX The present invention relates to a new oligonucleotide label-domain
CC comprising the sequence (CTATT) n and its complement (AAAATAG) n, where
CC n is 1. The probe sets of the invention are useful for detecting kappa or
CC lambda-immunoglobulin light chain mRNA or corresponding heteronuclear
CC RNA, CMV (cytomegalovirus) immediate early RNA, EBV (Epstein-Barr virus)
CC early RNA 1 and RNA 2, and human Alu repetitive satellite genomic
CC sequences. The invention is a useful generic sequence for incorporation
CC into oligonucleotide probes for detecting gene-specific sequences within
CC cells or tissue samples in in situ hybridisation analysis and for

CC attaching a label to immunoglobulins or other proteins for detecting
CC haptens and antigens in immunohistochemical analyses. The present nucleic
CC acid sequence represents one of a collection (ABK70376-ABK70501) of
CC oligonucleotide probes that were used in the invention for detecting or
CC localising a plurality nucleic acid target gene or antigen within a cell
CC or tissue sample
XX
SQ Sequence 30 BP; 1 A; 8 C; 9 G; 12 T; 0 U; 0 Other;
Query Match 0.8%; Score 18.6; DB 6; Length 30;
Best Local Similarity 84.0%; Pred. No. 1.3e+06;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1836 GCTGCCCTTCTGCTCTGTCAGTG 1860
|||||
Db 6 GCTGCTCTGCTCTGCTCTG 30
RESULT 50
ACI67643
ID ACI67643 standard; DNA; 25 BP.
XX
AC ACI67643;
XX
DT 14-OCT-2003 (first entry)
XX
DE Human microarray DNA oligonucleotide SEQ ID NO 67634.
XX
KW EST; ss; probe; expressed sequence tag; microarray; gene expression;
KW genetic variation; biallelic marker; polymorphism; human;
KW cross-species comparison.
XX
OS Homo sapiens.
XX
PN US2003104410-A1.
XX
PD 05-JUN-2003.
XX
PF 15-MAR-2002; 2002US-00098263.
XX
PR 16-MAR-2001; 2001US-0276759P.
XX
PA (AFFY-) AFFYMETRIX INC.
XX
PI Mittmann MP;
XX
WPI; 2003-567953/53.
XX
New array of nucleic acid probes, useful for in situ hybridization, in
Southern, Northern or dot-blot hybridization to identify or detect the
sequence or specific mutations of any gene.
XX
Claim 1; SEQ ID NO 67634; 9pp; English.
XX
The invention discloses a microarray comprising a plurality of nucleic
acid probes including one of 2,018,500 fully defined sequences, or its
perfect match, perfect mismatch, antisense match or antisense mismatch.
XX
Also disclosed is a method of gene expression analysis. The array is used
in monitoring gene expression levels by hybridisation to a DNA library,
in analysis of genetic variation or in hybridisation of tag-labelled
compounds. The nucleic acid probes are specifically designed for analysis
of at least one target sequence. The method of analysis comprises
hybridising at least one or more nucleic acids to at least two or more
nucleic acid probes and detecting the hybridisation. The nucleic acid
probes are attached to a solid support. The analysis comprises monitoring
gene expression levels, identifying biallelic markers or polymorphisms,
or family members of a gene and a cross-species comparison. Each of the
nucleic acids further comprises a tag sequence. The array of nucleic acid
probes is useful in situ hybridisation, in Southern, Northern or dot-
blot hybridisation to identify or detect the sequence or specific
mutations of any gene, in mapping the 5' termini of mRNA molecules by
primer extensions or in screening cDNA or genomic libraries or subclones
for additional subclones containing segments of DNA that have been

CC isolated and previously sequenced. The sequence presented is one of the
CC nucleic acid probes incorporated in the microarray. Note: The sequence
CC data for this patent can also be obtained in electronic format directly
CC from USPTO at seqdata.uspto.gov/sequence.html
XX
SQ Sequence 25 BP; 5 A; 9 C; 9 G; 2 T; 0 U; 0 Other;
Query Match 0.8%; Score 18.4; DB 9; Length 25;
Best Local Similarity 95.0%; Pred. No. 1.3e+06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 747 ACAGCAGAGCAGCAGAGTGC 766
|||||
Db 5 ACAGCAGAGCAGCAGAGTGC 24
Search completed: November 20, 2004, 04:40:54
Job time : 1078 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 19, 2004, 17:55:50 ; Search time 9562 Seconds
(without alignments)
11186.917 Million cell updates/sec

Title: US-10-067-125-2
Perfect score: 2262
Sequence: 1 gaattccggcgctgcac.....attaaaccattacaattctc 2262

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4526729 seqs, 23644849745 residues

Total number of hits satisfying chosen parameters: 1393428

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 50 summaries

Database : GenEmbl.*
1: gb.ba.*
2: gb.htg.*
3: gb.in.*
4: gb.om.*
5: gb.ov.*
6: gb.pat.*
7: gb.ph.*
8: gb.pl.*
9: gb.pr.*
10: gb.roi.*
11: gb.sss.*
12: gb.sy.*
13: gb.un.*
14: gb.vi.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	24	1.1	24	6	AX937536 Sequence
C 2	23	1.0	23	6	CQ799591 Sequence
C 3	23	1.0	23	6	CQ799592 Sequence
C 4	23	1.0	30	6	A66552 Sequence 8
C 5	23	1.0	30	6	AX089601 Sequence
C 6	22	1.0	22	6	AX337535 Sequence
C 7	20.6	0.9	21	6	AX096586 Sequence
C 8	20.6	0.9	21	6	AX154242 Sequence
C 9	20	0.9	20	6	BD224912 Antisense
C 10	20	0.9	20	6	BD224913 Antisense
C 11	20	0.9	20	6	BD224914 Antisense
C 12	20	0.9	20	6	BD224915 Antisense
C 13	20	0.9	20	6	BD224916 Antisense
C 14	20	0.9	20	6	BD224917 Antisense
C 15	20	0.9	20	6	BD224918 Antisense
C 16	20	0.9	20	6	BD224919 Antisense
C 17	20	0.9	20	6	BD224920 Antisense
C 18	20	0.9	20	6	BD224921 Antisense
C 19	20	0.9	20	6	BD224922 Antisense

C 20	20	0.9	20	6	BD224923 Antisense
C 21	20	0.9	20	6	BD224924 Antisense
C 22	20	0.9	20	6	BD224925 Antisense
C 23	20	0.9	20	6	BD224926 Antisense
C 24	20	0.9	20	6	BD224927 Antisense
C 25	20	0.9	20	6	BD224928 Antisense
C 26	20	0.9	20	6	BD224929 Antisense
C 27	20	0.9	20	6	BD224930 Antisense
C 28	20	0.9	20	6	BD224931 Antisense
C 29	20	0.9	20	6	BD224932 Antisense
C 30	20	0.9	20	6	BD224933 Antisense
C 31	20	0.9	20	6	AR211134 Sequence
C 32	20	0.9	20	6	AR211135 Sequence
C 33	20	0.9	20	6	AR211136 Sequence
C 34	20	0.9	20	6	AR211137 Sequence
C 35	20	0.9	20	6	AR211138 Sequence
C 36	20	0.9	20	6	AR211139 Sequence
C 37	20	0.9	20	6	AR211140 Sequence
C 38	20	0.9	20	6	AR211141 Sequence
C 39	20	0.9	20	6	AR211142 Sequence
C 40	20	0.9	20	6	AR211143 Sequence
C 41	20	0.9	20	6	AR211144 Sequence
C 42	20	0.9	20	6	AR211145 Sequence
C 43	20	0.9	20	6	AR211146 Sequence
C 44	20	0.9	20	6	AR211147 Sequence
C 45	20	0.9	20	6	AR211148 Sequence
C 46	20	0.9	20	6	AR211149 Sequence
C 47	20	0.9	20	6	AR211150 Sequence
C 48	20	0.9	20	6	AR211151 Sequence
C 49	20	0.9	20	6	AR211152 Sequence
C 50	20	0.9	20	6	AR211153 Sequence

ALIGNMENTS

RESULT 1
AX937536/c
LOCUS AX937536 24 bp DNA linear PAT 06-JAN-2004
DEFINITION Sequence 16 from Patent EP1361433.
ACCESSION AX937536
VERSION AX937536.1 GI:40713576
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Yanai,Y.C., Yamamoto,S.C., Yamamoto,K.C. and Ikegami,H.C.
TITLE Method for estimating therapeutic efficacy of tumor necrosis factor (TNF)
JOURNAL Patent: EP 1361433-A 16 12-NOV-2003;
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO (JJP)

FEATURES
Location/Qualifiers
1..24
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Oligonucleotide used as primer for PCR detection of TRAF2 mRNA"

ORIGIN

Query Match 1.1%; Score 24; DB 6; Length 24;
Best Local Similarity 100.0%; Pred. No. 2.2e+06;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1223 TGTGTCGCGTATCTACTGTAACG 1246
|||||
Db 24 TGTGTCGCGTATCTACTGTAACG 1

RESULT 2
CQ799591
LOCUS CQ799591 23 bp DNA linear PAT 28-APR-2004

FEATURES	source	Location/Qualifiers	1. .22	
ORIGIN				
Query Match		1.0%; Score 22; DB 6; Length 22;		
Best Local Similarity		100.0%; Pred. No. 5.8e+06;		
Matches	22; Conservative	0; Mismatches	0; Indels	0; Gaps
Qy	904	AACATTGTCGCGCTCTGACCC 925		
Db	1	AACATTGTCGCGCTCTGACCC 22		
RESULT 7				
LOCUS	AX096586	21 bp	DNA	linear
DEFINITION	Sequence 1764 from Patent WO0118250.			
ACCESSION	AX096586			
VERSION	AX096586.1	GI:13512840		
KEYWORDS				
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	1	Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarthy, J.J.		
AUTHORS		Single nucleotide polymorphisms in genes		
TITLE		Patent: WO 0118250-A 1764 15-MAR-2001.		
JOURNAL		WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium Pharmaceuticals, Inc. (US)		
FEATURES	source	Location/Qualifiers	1. .21	
ORIGIN				
Query Match		0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity		95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative	1; Mismatches	0; Indels	0; Gaps
Qy	434	GCGCGTCGCGCTCATCTGGA 454		
Db	1	GCGCGTCGCGCTCATCTGGA 21		
RESULT 8				
LOCUS	AX154242	21 bp	DNA	linear
DEFINITION	Sequence 340 from Patent WO0138576.			
ACCESSION	AX154242			
VERSION	AX154242.1	GI:14535856		
KEYWORDS				
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	1	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS		Cargill, M., Ireland, J.S. and Lander, E.S.		
TITLE		Human single nucleotide polymorphisms		
JOURNAL		Patent: WO 0138576-A 340 31-MAY-2001.		
FEATURES	source	Location/Qualifiers	1. .21	
ORIGIN				
Query Match		0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity		95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative	1; Mismatches	0; Indels	0; Gaps
Qy	434	GCGCGTCGCGCTCATCTGGA 454		
Db	1	GCGCGTCGCGCTCATCTGGA 21		
RESULT 9				
LOCUS	AX096586	21 bp	DNA	linear
DEFINITION	Sequence 1764 from Patent WO0118250.			
ACCESSION	AX096586			
VERSION	AX096586.1	GI:13512840		
KEYWORDS				
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	1	Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarthy, J.J.		
AUTHORS		Single nucleotide polymorphisms in genes		
TITLE		Patent: WO 0118250-A 1764 15-MAR-2001.		
JOURNAL		WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium Pharmaceuticals, Inc. (US)		
FEATURES	source	Location/Qualifiers	1. .21	
ORIGIN				
Query Match		0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity		95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative	1; Mismatches	0; Indels	0; Gaps
Qy	434	GCGCGTCGCGCTCATCTGGA 454		
Db	1	GCGCGTCGCGCTCATCTGGA 21		
RESULT 10				
LOCUS	AX154242	21 bp	DNA	linear
DEFINITION	Sequence 340 from Patent WO0138576.			
ACCESSION	AX154242			
VERSION	AX154242.1	GI:14535856		
KEYWORDS				
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	1	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS		Cargill, M., Ireland, J.S. and Lander, E.S.		
TITLE		Human single nucleotide polymorphisms		
JOURNAL		Patent: WO 0138576-A 340 31-MAY-2001.		
FEATURES	source	Location/Qualifiers	1. .21	
ORIGIN				
Query Match		0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity		95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative	1; Mismatches	0; Indels	0; Gaps
Qy	434	GCGCGTCGCGCTCATCTGGA 454		
Db	1	GCGCGTCGCGCTCATCTGGA 21		
RESULT 11				
LOCUS	AX154242	21 bp	DNA	linear
DEFINITION	Sequence 340 from Patent WO0138576.			
ACCESSION	AX154242			
VERSION	AX154242.1	GI:14535856		
KEYWORDS				
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	1	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS		Cargill, M., Ireland, J.S. and Lander, E.S.		
TITLE		Human single nucleotide polymorphisms		
JOURNAL		Patent: WO 0138576-A 340 31-MAY-2001.		
FEATURES	source	Location/Qualifiers	1. .21	
ORIGIN				
Query Match		0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity		95.2%; Pred. No.		

FEATURES	source	Location/Qualifiers	ORIGIN
	1. .22	/organism="synthetic construct" /mol_type="unassigned DNA" /db_xref="taxon:32630" /notes="Oligonucleotide used as primer for PCR detection of TRAF2 mRNA"	
Query Match	1.0%; Score 22; DB 6; Length 22;		
Best Local Similarity	100.0%; Pred. No. 5.8e+06;		
Matches	22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Qy	904 AACATTGTCGCGTCTCGTGAACC 925		
Db	1 AACATTGTCGCGTCTCGTGAACC 22		
RESULT 7			
LOCUS	AX096586	21 bp DNA linear PAT 30-MAR-2001	
DEFINITION	Sequence 1764 from Patent WO0118250.		
ACCESSION	AX096586		
VERSION	AX096586.1 GI:13512840		
KEYWORDS			
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	1		
AUTHORS	Lander, E.S., Gargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarthy, J.J.		
TITLE	Single nucleotide polymorphisms in genes		
JOURNAL	Patent: WO 0118250-A 1764 15-MAR-2001.		
	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium Pharmaceuticals, Inc. (US)		
FEATURES	source	Location/Qualifiers	
	1. .21	/organism="Homo sapiens" /mol_type="unassigned DNA" /db_xref="taxon:9606"	
Query Match	0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity	95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;		
Qy	434 GCGCGTCGCCGTCATCGTGA 454		
Db	1 GCGCGTCGCCGTCATCGTGA 21		
RESULT 8			
LOCUS	AX154242	21 bp DNA linear PAT 22-JUN-2001	
DEFINITION	Sequence 340 from Patent WO0138576.		
ACCESSION	AX154242		
VERSION	AX154242.1 GI:14535856		
KEYWORDS			
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	1		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE	Cargill, M., Ireland, J.S. and Lander, E.S.		
JOURNAL	Human single nucleotide polymorphisms		
	Patent: WO 0138576-A 340 31-MAY-2001.		
	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)		
FEATURES	source	Location/Qualifiers	
	1. .21	/organism="Homo sapiens" /mol_type="unassigned DNA" /db_xref="taxon:9606"	
Query Match	0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity	95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;		
Qy	434 GCGCGTCGCCGTCATCGTGA 454		
Db	1 GCGCGTCGCCGTCATCGTGA 21		
RESULT 8			
LOCUS	AX154242	21 bp DNA linear PAT 22-JUN-2001	
DEFINITION	Sequence 340 from Patent WO0138576.		
ACCESSION	AX154242		
VERSION	AX154242.1 GI:14535856		
KEYWORDS			
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	1		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE	Cargill, M., Ireland, J.S. and Lander, E.S.		
JOURNAL	Human single nucleotide polymorphisms		
	Patent: WO 0138576-A 340 31-MAY-2001.		
	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)		
FEATURES	source	Location/Qualifiers	
	1. .21	/organism="Homo sapiens" /mol_type="unassigned DNA" /db_xref="taxon:9606"	
Query Match	0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity	95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;		
Qy	434 GCGCGTCGCCGTCATCGTGA 454		
Db	1 GCGCGTCGCCGTCATCGTGA 21		
RESULT 8			
LOCUS	AX154242	21 bp DNA linear PAT 22-JUN-2001	
DEFINITION	Sequence 340 from Patent WO0138576.		
ACCESSION	AX154242		
VERSION	AX154242.1 GI:14535856		
KEYWORDS			
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	1		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE	Cargill, M., Ireland, J.S. and Lander, E.S.		
JOURNAL	Human single nucleotide polymorphisms		
	Patent: WO 0138576-A 340 31-MAY-2001.		
	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)		
FEATURES	source	Location/Qualifiers	
	1. .21	/organism="Homo sapiens" /mol_type="unassigned DNA" /db_xref="taxon:9606"	
Query Match	0.9%; Score 20.6; DB 6; Length 21;		
Best Local Similarity	95.2%; Pred. No. 1.1e+07;		
Matches	20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;		
Qy	434 GCGCGTCGCCGTCATCGTGA 454		
Db	1 GCGCGTCGCCGTCATCGTGA 21		
RESULT 8			
LOCUS	AX154242	21 bp DNA linear PAT 22-JUN-2001	
DEFINITION	Sequence 340 from Patent WO0138576.		
ACCESSION	AX154242		
VERSION	AX154242.1 GI:14535856		
KEYWORDS			
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	1		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE	Cargill, M., Ireland, J.S. and Lander, E.S.		
JOURNAL	Human single nucleotide polymorphisms		
	Patent: WO 0138576-A 340 31-MAY-2001.		
	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)		
FEATURES	source	Location/Qualifiers	
	1. .21	/organism="Homo sapiens"	


```
/db_xref="taxon:32630"

ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTTCCAGGCGCAGTGTGC 204
    |||||
Db 20 CCTTCCAGGCGCAGTGTGC 1

RESULT 14
BD224917/c
LOCUS BD224917 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
ACCESSION BD224917
VERSION BD224917.1 GI:33034687
KEYWORDS JP 2002526095-A/52
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
JOURNAL receptor-associated factor (TRAF)
COMMENT Patent: JP 2002526095-A 52 20-AUG-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002526095-A/52
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
/mol_type="genomic DNA"
/db_xref="taxon:32630"

ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTCCACGAGGCGCGTGC 441
    |||||
Db 20 GCTCCACGAGGCGCGTGC 1

RESULT 15
BD224919/c
LOCUS BD224919 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
ACCESSION BD224919
VERSION BD224919.1 GI:33034689
KEYWORDS JP 2002526095-A/54
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
JOURNAL receptor-associated factor (TRAF)
COMMENT Patent: JP 2002526095-A 54 20-AUG-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002526095-A/54
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
/mol_type="genomic DNA"
/db_xref="taxon:32630"

ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 348 GGAGGTGGAGAGCGCTGCCG 367
    |||||
Db 20 GGAGGTGGAGAGCGCTGCCG 1

RESULT 15
BD224918/c
LOCUS BD224918 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
ACCESSION BD224918
VERSION BD224918.1 GI:33034688
KEYWORDS JP 2002526095-A/53
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
JOURNAL receptor-associated factor (TRAF)
COMMENT Patent: JP 2002526095-A 53 20-AUG-2002;
ISIS PHARMACEUTICALS INC

COMMENT
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 576 CGTGAAGGCGCACCACGAGG 595
    |||||
Db 20 CGTGAAGGCGCACCACGAGG 1

RESULT 17
BD224920/c
```

```

LOCUS       BD224920                20 bp    DNA        linear        PAT 17-JUL-2003
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224920
VERSION     BD224920.1 GI:33034690
KEYWORDS    JP 2002526095-A/55.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 55 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/55
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'
/mol_type='genomic DNA'
/db_xref='taxon:32630'

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 675 GACTGTGGCAAGTGTGAG 694
Db 20 GACTGTGGCAAGTGTGAG 1

RESULT 18
LOCUS       BD224921/c
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224921
VERSION     BD224921.1 GI:33034691
KEYWORDS    JP 2002526095-A/56.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 56 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/56
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'

LOCUS       BD224922                20 bp    DNA        linear        PAT 17-JUL-2003
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224922
VERSION     BD224922.1 GI:33034692
KEYWORDS    JP 2002526095-A/57.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 57 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/57
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'
/mol_type='genomic DNA'
/db_xref='taxon:32630'

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGAGCACGAGTGCAGTG 770
Db 20 CAGGAGCACGAGTGCAGTG 1

RESULT 19
LOCUS       BD224922/c
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224922
VERSION     BD224922.1 GI:33034692
KEYWORDS    JP 2002526095-A/57.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 57 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/57
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'
/mol_type='genomic DNA'
/db_xref='taxon:32630'

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTGAGAGCTCTGCAGAGG 867
Db 20 GGTGAGAGCTCTGCAGAGG 1

RESULT 20
LOCUS       BD224923/c
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224923
VERSION     BD224923.1 GI:33034693
KEYWORDS    JP 2002526095-A/58.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 58 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/58
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'

```

```

/mol_type='genomic DNA'
/db_xref='taxon:32630'

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGAGCACGAGTGCAGTG 770
Db 20 CAGGAGCACGAGTGCAGTG 1

RESULT 19
LOCUS       BD224922/c
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224922
VERSION     BD224922.1 GI:33034692
KEYWORDS    JP 2002526095-A/57.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 57 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/57
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'
/mol_type='genomic DNA'
/db_xref='taxon:32630'

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTGAGAGCTCTGCAGAGG 867
Db 20 GGTGAGAGCTCTGCAGAGG 1

RESULT 20
LOCUS       BD224923/c
DEFINITION   Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION   BD224923
VERSION     BD224923.1 GI:33034693
KEYWORDS    JP 2002526095-A/58.
SOURCE      synthetic construct
ORGANISM    artificial sequences.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE       Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL     Patent: JP 2002526095-A 58 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT     OS Artificial Sequence
PN JP 2002526095-A/58
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism='Artificial Sequence'.

FEATURES             source
1..20
/organism='synthetic construct'

```

BD224925/c									
BD224925	LOCUS	BD224925	20 bp	DNA	linear	PAT 17-JUL-2003			
DEFINITION							Antisense modulation of expression of tumor necrosis factor (TRAF).		
ACCESSION							BD224925		
VERSION							BD224925.1 GI:33034695		
KEYWORDS							JP 2002526095-A/60.		
SOURCE							synthetic construct		
ORGANISM							artificial construct		
REFERENCE							1 (bases 1 to 20)		
AUTHORS							Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.		
TITLE							Antisense modulation of expression of tumor necrosis factor		
JOURNAL							receptor-associated factor (TRAF)		
COMMENT							Patent: JP 2002526095-A 60 20-AUG-2002;		
ISIS PHARMACEUTICALS INC							artificial sequence		
PN JP 2002526095-A/60							OS Artificial Sequence		
PD 20-AUG-2002							FN JP 2002526095-A/60		
PF 05-OCT-1999 JP 2000574546							PI 06-OCT-1998 US 09/167109		
PI BRENDA F BAKER,LEX M COWSETT,BRETT P MONIA,XIAOXING S XU PC							C12N15/09,A61K31/7105,A61K48/00,A61P29/00,A61P35/04,C12N15/00 CC		
antisense sequence							antisense sequence		
FH Key							Location/Qualifiers		
FT source							1..20		
FT							/organism='Artificial Sequence'.		
FEATURES							source		
ORIGIN									
Query Match							0.9%; Score 20; DB 6; Length 20;		
Best Local Similarity							100.0%; Pred. No. 1.5e+07;		
Matches							20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Qy							1387 GAGCGCTTCAGGCCGCGAGCT 1406		
Db							20 GAGCGCTTCAGGCCGCGAGCT 1		
RESULT 23									
BD224926/c									
LOCUS							BD224926		
DEFINITION							Antisense modulation of expression of tumor necrosis factor (TRAF).		
ACCESSION							BD224926		
VERSION							BD224926.1 GI:33034696		
KEYWORDS							JP 2002526095-A/61.		
SOURCE							synthetic construct		
ORGANISM							artificial construct		
REFERENCE							1 (bases 1 to 20)		
AUTHORS							Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.		
TITLE							Antisense modulation of expression of tumor necrosis factor		
JOURNAL							receptor-associated factor (TRAF)		
COMMENT							Patent: JP 2002526095-A 61 20-AUG-2002;		
ISIS PHARMACEUTICALS INC							artificial sequence		
PN JP 2002526095-A/61							OS Artificial Sequence		
PD 20-AUG-2002							FN JP 2002526095-A/61		
PF 05-OCT-1999 JP 2000574546							PI 06-OCT-1998 US 09/167109		
PI BRENDA F BAKER,LEX M COWSETT,BRETT P MONIA,XIAOXING S XU PC							C12N15/09,A61K31/7105,A61K48/00,A61P29/00,A61P35/04,C12N15/00 CC		
antisense sequence							antisense sequence		
FH Key							Location/Qualifiers		
FT source							1..20		
FT							/organism='Artificial Sequence'.		
FEATURES							source		
ORIGIN									
Query Match							0.9%; Score 20; DB 6; Length 20;		
Best Local Similarity							100.0%; Pred. No. 1.5e+07;		
Matches							20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Qy							962 GCAGCGCGCAGCACCGGCTG 981		
Db							20 GCAGCGCGCAGCACCGGCTG 1		
RESULT 21									
BD224924/c									
LOCUS							BD224924		
DEFINITION							Antisense modulation of expression of tumor necrosis factor		
ACCESSION							BD224924		
VERSION							BD224924.1 GI:33034694		
KEYWORDS							JP 2002526095-A/59.		
SOURCE							synthetic construct		
ORGANISM							artificial sequences.		
REFERENCE							1 (bases 1 to 20)		
AUTHORS							Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.		
TITLE							Antisense modulation of expression of tumor necrosis factor		
JOURNAL							receptor-associated factor (TRAF)		
COMMENT							Patent: JP 2002526095-A 59 20-AUG-2002;		
ISIS PHARMACEUTICALS INC							artificial sequence		
PN JP 2002526095-A/59							OS Artificial Sequence		
PD 20-AUG-2002							FN JP 2002526095-A/59		
PF 05-OCT-1999 JP 2000574546							PI 06-OCT-1998 US 09/167109		
PI BRENDA F BAKER,LEX M COWSETT,BRETT P MONIA,XIAOXING S XU PC							C12N15/09,A61K31/7105,A61K48/00,A61P29/00,A61P35/04,C12N15/00 CC		
antisense sequence							antisense sequence		
FH Key							Location/Qualifiers		
FT source							1..20		
FT							/organism='Artificial Sequence'.		
FEATURES							source		
ORIGIN									
Query Match							0.9%; Score 20; DB 6; Length 20;		
Best Local Similarity							100.0%; Pred. No. 1.5e+07;		
Matches							20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
Qy							1240 CTGACGGCGCAGCGACCGG 1259		
Db							20 CTGACGGCGCAGCGACCGG 1		
RESULT 22									

RESULT 22

JOURNAL	Patent: JP 2002526095-A/63	20-AUG-2002;
COMMENT	ISIS PHARMACEUTICALS INC	
OS	Artificial Sequence	
PN	JP 2002526095-A/63	
PD	20-AUG-2002	
PF	05-OCT-1999 JP 2000574546	
PR	06-OCT-1998 US 09/167109	
PI	BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC	
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC		
antisense sequence		
PH Key	Location/Qualifiers	
FT	1..20	
FT	source	
FEATURES	Location/Qualifiers	
source	1..20	
	/organism="synthetic construct"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:32630"	
ORIGIN		
Query Match	0.9%;	Score 20; DB 6; Length 20;
Best Local Similarity	100.0%;	Pred. No. 1.5e+07;
Matches	20; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1685 GGTGTGGCGCTGCAGCCCAAG	1704
Db	20 GGTGTGGCGCTGCAGCCCAAG	1
RESULT 26		
BD224929/c		
LOCUS	BD224929	20 bp DNA linear PAT 17-JUL-2003
DEFINITION	Antisense modulation of expression of tumor necrosis factor	
ACCESSION	BD224929	
VERSION	BD224929.1 GI:33034699	
KEYWORDS	JP 2002526095-A/64.	
SOURCE	synthetic construct	
ORGANISM	artificial construct	
REFERENCE	1 (bases 1 to 20)	
AUTHORS	Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.	
TITLE	Antisense modulation of expression of tumor necrosis factor	
JOURNAL	receptor-associated factor (TRAF)	
COMMENT	Patent: JP 2002526095-A/64	
OS	Artificial Sequence	
PN	JP 2002526095-A/64	
PD	20-AUG-2002	
PF	05-OCT-1999 JP 2000574546	
PR	06-OCT-1998 US 09/167109	
PI	BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC	
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC		
antisense sequence		
PH Key	Location/Qualifiers	
FT	1..20	
FT	source	
FEATURES	Location/Qualifiers	
source	1..20	
	/organism="synthetic construct"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:32630"	
ORIGIN		
Query Match	0.9%;	Score 20; DB 6; Length 20;
Best Local Similarity	100.0%;	Pred. No. 1.5e+07;
Matches	20; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1590 GGCAGCCAGCCAGCCGCG	1609
Db	20 GGCAGCCAGCCAGCCGCG	1
RESULT 25		
BD224928/c		
LOCUS	BD224928	20 bp DNA linear PAT 17-JUL-2003
DEFINITION	Antisense modulation of expression of tumor necrosis factor	
ACCESSION	BD224928	
VERSION	BD224928.1 GI:33034698	
KEYWORDS	JP 2002526095-A/63.	
SOURCE	synthetic construct	
ORGANISM	artificial sequences.	
REFERENCE	1 (bases 1 to 20)	
AUTHORS	Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.	
TITLE	Antisense modulation of expression of tumor necrosis factor	
JOURNAL	receptor-associated factor (TRAF)	
COMMENT	Patent: JP 2002526095-A/62	
OS	Artificial Sequence	
PN	JP 2002526095-A/62	
PD	20-AUG-2002	
PF	05-OCT-1999 JP 2000574546	
PR	06-OCT-1998 US 09/167109	
PI	BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC	
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC		
antisense sequence		
PH Key	Location/Qualifiers	
FT	1..20	
FT	source	
FEATURES	Location/Qualifiers	
source	1..20	
	/organism="synthetic construct"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:32630"	
ORIGIN		
Query Match	0.9%;	Score 20; DB 6; Length 20;
Best Local Similarity	100.0%;	Pred. No. 1.5e+07;
Matches	20; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	1590 GGCAGCCAGCCAGCCGCG	1609
Db	20 GGCAGCCAGCCAGCCGCG	1
RESULT 25		
BD224928/c		
LOCUS	BD224928	20 bp DNA linear PAT 17-JUL-2003
DEFINITION	Antisense modulation of expression of tumor necrosis factor	
ACCESSION	BD224928	
VERSION	BD224928.1 GI:33034698	
KEYWORDS	JP 2002526095-A/63.	
SOURCE	synthetic construct	
ORGANISM	artificial sequences.	
REFERENCE	1 (bases 1 to 20)	
AUTHORS	Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.	
TITLE	Antisense modulation of expression of tumor necrosis factor	
JOURNAL	receptor-associated factor (TRAF)	
COMMENT	Patent: JP 2002526095-A/62	
OS	Artificial Sequence	
PN	JP 2002526095-A/62	
PD	20-AUG-2002	
PF	05-OCT-1999 JP 2000574546	
PR	06-OCT-1998 US 09/167109	
PI	BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC	
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC		
antisense sequence		
PH Key	Location/Qualifiers	
FT	1..20	
FT	source	
FEATURES	Location/Qualifiers	
source	1..20	
	/organism="synthetic construct"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:32630"	
ORIGIN		
Query Match		

receptor-associated factor (TRAF)
Patent: JP 2002526095-A 68 20-AUG-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002526095-A/68
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSEET, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
FT source 1..20
FT /organism="Artificial Sequence".
FEATURES
source 1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2221 TCAGGTCACGAGACAGAG 2240
Db 20 TCAGGTCACGAGACAGAG 1
RESULT 31
AR211134/c
LOCUS AR211134 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 47 from patent US 6399297.
ACCESSION AR211134
VERSION AR211134.1 GI:21514376
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL receptor-associated factors (TRAFs)
FEATURES
source 1..20
/organism="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAATTCGGCGCGCTGGAC 20
Db 20 GAATTCGGCGCGCTGGAC 1
RESULT 32
AR211135/c
LOCUS AR211135 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 48 from patent US 6399297.
ACCESSION AR211135
VERSION AR211135.1 GI:21514377
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor

receptor-associated factors (TRAFs)
Patent: US 6399297-A 48 04-JUN-2002;
Location/Qualifiers
source 1..20
/organism="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 7 CGGCGCGCTGCGACCGTTGG 26
Db 20 CGGCGCGCTGCGACCGTTGG 1
RESULT 33
AR211136/c
LOCUS AR211136 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 49 from patent US 6399297.
ACCESSION AR211136
VERSION AR211136.1 GI:21514379
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL receptor-associated factors (TRAFs)
FEATURES
source 1..20
/organism="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 42 GGTACAGCTCTCATGGCTG 61
Db 20 GGTACAGCTCTCATGGCTG 1
RESULT 34
AR211137/c
LOCUS AR211137 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 50 from patent US 6399297.
ACCESSION AR211137
VERSION AR211137.1 GI:21514380
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL receptor-associated factors (TRAFs)
FEATURES
source 1..20
/organism="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 52 CTCATGGCTGCAGCTAGCGT 71


```
Db 20 CTCATGGCTGCAGCTAGCGT 1
|||||
RESULT 35
LOCUS AR211138/c 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 51 from patent US 6399297.
ACCESSION AR211138
VERSION AR211138.1 GI:21514381
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 51 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/mol_type="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 185 CCTTCAGCGCAGTGTGCG 204
|||||
Db 20 CTTTCAGCGCAGTGTGCG 1
|||||
RESULT 36
LOCUS AR211139/c 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 52 from patent US 6399297.
ACCESSION AR211139
VERSION AR211139.1 GI:21514382
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 52 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/mol_type="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 348 GGAGGTGGAGAGCTGCCGG 367
|||||
Db 20 GGAGGTGGAGAGCTGCCGG 1
|||||
RESULT 37
LOCUS AR211140/c 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 53 from patent US 6399297.
ACCESSION AR211140
VERSION AR211140.1 GI:21514384
KEYWORDS
SOURCE
ORGANISM Unknown.
```

```
Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 53 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/mol_type="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 422 GCTGCCACGAAGCGCGTGC 441
|||||
Db 20 GCTGCCACGAAGCGCGTGC 1
|||||
RESULT 38
LOCUS AR211141/c 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 54 from patent US 6399297.
ACCESSION AR211141
VERSION AR211141.1 GI:21514385
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 54 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/mol_type="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 576 CGTGAGGCGCACCCAGG 595
|||||
Db 20 CGTGAGGCGCACCCAGG 1
|||||
RESULT 39
LOCUS AR211142/c 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 55 from patent US 6399297.
ACCESSION AR211142
VERSION AR211142.1 GI:21514386
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 55 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/mol_type="unknown"
/mol_type="unassigned DNA"
ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Best Local Similarity 100.0%; Pred. No. 1.5e+07; Mismatches 0; Indels 0; Gaps 0;

QY 675 GACTTGTGGCAAGTGTGAG 694
Db 20 GACTTGTGGCAAGTGTGAG 1

RESULT 40
AR211143/c
LOCUS AR211143 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 56 from patent US 6399297.
ACCESSION AR211143
VERSION AR211143.1 GI:21514387
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 56 04-JUN-2002;
FEATURES
source Location/Qualifiers
1..20
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGACGACGAGTGCAGTG 770
Db 20 CAGGACGACGAGTGCAGTG 1

RESULT 41
AR211144/c
LOCUS AR211144 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 57 from patent US 6399297.
ACCESSION AR211144
VERSION AR211144.1 GI:21514389
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 57 04-JUN-2002;
FEATURES
source Location/Qualifiers
1..20
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTCAGAGCTCCTGCAGAG 867
Db 20 GGTCAGAGCTCCTGCAGAG 1

RESULT 42
AR211145/c
LOCUS AR211145 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 58 from patent US 6399297.
ACCESSION AR211145

VERSION AR211145.1 GI:21514390
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 58 04-JUN-2002;
FEATURES
source Location/Qualifiers
1..20
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 962 GCAGCGCGCAGCACCGGCTG 981
Db 20 GCAGCGCGCAGCACCGGCTG 1

RESULT 43
AR211146/c
LOCUS AR211146 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 59 from patent US 6399297.
ACCESSION AR211146
VERSION AR211146.1 GI:21514391
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 59 04-JUN-2002;
FEATURES
source Location/Qualifiers
1..20
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1240 CTGAACGCGCAGCGCACCGG 1259
Db 20 CTGAACGCGCAGCGCACCGG 1

RESULT 44
AR211147/c
LOCUS AR211147 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 60 from patent US 6399297.
ACCESSION AR211147
VERSION AR211147.1 GI:21514393
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 60 04-JUN-2002;
FEATURES
source Location/Qualifiers
1..20
/organism="unknown"

ORIGIN	/mol_type="unassigned DNA"	Query Match	Best Local Similarity	0.9%; Score 20; DB 6; Length 20;	Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy	1387 GAGCCTTCAGGCCGACGT 1406				
Db	20 GAGCCTTCAGGCCGACGT 1				
RESULT 45					
LOCUS	AR211148/c				
DEFINITION	Sequence 61 from patent US 6399297.				
ACCESSION	AR211148				
VERSION	AR211148.1 GI:21514394				
KEYWORDS					
SOURCE	Unknown.				
ORGANISM	Unclassified.				
REFERENCE	1 (bases 1 to 20)				
AUTHORS	Baker,B.F., Cowsert,L.M., Monia,B.P. and Xu,X.S.				
TITLE	Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)				
JOURNAL	Patent: US 6399297-A 61 04-JUN-2002;				
FEATURES	Location/Qualifiers				
source	1..20				
/organism="unknown"					
/mol_type="unassigned DNA"					
ORIGIN					
Query Match	0.9%; Score 20; DB 6; Length 20;				
Best Local Similarity	100.0%; Pred. No. 1.5e+07;				
Matches	20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
Qy	1533 GGCCATTGTGGACCTGACAG 1552				
Db	20 GGCCATTGTGGACCTGACAG 1				
RESULT 46					
LOCUS	AR211149/c				
DEFINITION	Sequence 62 from patent US 6399297.				
ACCESSION	AR211149				
VERSION	AR211149.1 GI:21514395				
KEYWORDS					
SOURCE	Unknown.				
ORGANISM	Unclassified.				
REFERENCE	1 (bases 1 to 20)				
AUTHORS	Baker,B.F., Cowsert,L.M., Monia,B.P. and Xu,X.S.				
TITLE	Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)				
JOURNAL	Patent: US 6399297-A 62 04-JUN-2002;				
FEATURES	Location/Qualifiers				
source	1..20				
/organism="unknown"					
/mol_type="unassigned DNA"					
ORIGIN					
Query Match	0.9%; Score 20; DB 6; Length 20;				
Best Local Similarity	100.0%; Pred. No. 1.5e+07;				
Matches	20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
Qy	1590 GGACGCCAGCAGCGCGC 1609				
Db	20 GGACGCCAGCAGCGCGC 1				
RESULT 47					

JOURNAL Patent: US 639297-A 65 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN

Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1916 CCATGTAGCAGGACACAGT 1335
|||||
Db 20 CCATGTAGCAGGACACAGT 1

RESULT 50

AR211153/c AR211153 20 bp DNA linear PAT 20-JUN-2002
LOCUS
DEFINITION Sequence 66 from patent US 639297.
ACCESSION AR211153
VERSION AR211153.1 GI:21514400
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 639297-A 66 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"
/mol_type="unassigned DNA"

ORIGIN

Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1994 GGCTCTCTGCTGGCCAGGC 2013
|||||
Db 20 GGCTCTCTGCTGGCCAGGC 1

Search completed: November 20, 2004, 07:20:24
Job time : 9563 secs